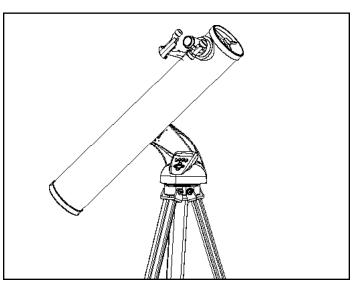
Bushnell

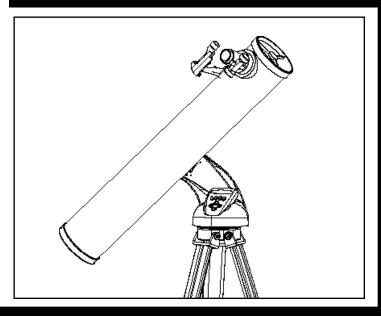


78-8830 76mm RefLEctor

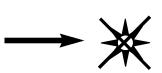
Instruction Manual



78-8845 114mm Reflector



Lit.#: 91-0265/08-01



Never Look Directly At The Sun With Your Telescope

Permanent Damage To Your Eyes May Occur



WHERE DO I START?

Your Bushnell telescope can bring the wonders of the universe to your eye. While this manual is intended to assist you in the set-up and basic use of this instrument, it does not cover everything you might like to know about astronomy. Although Northstar will give a respectable tour of the night sky, it is recommended you get a very simple star chart and a flashlight with a red bulb or red cellophane over the end. For objects other than stars and constellations, a basic guide to astronomy is a must. Some recommended sources appear on our website at www.bushnell.com. Also on our website will be current events in the sky for suggested viewing. But, some of the standbys that you can see are:

The Moon—a wonderful view of our lunar neighbor can be enjoyed with any magnification. Try viewing at different phases of the moon. Lunar highlands, lunar maria (lowlands called "seas" for their dark coloration), craters, ridges and mountains will astound you.

Saturn—even at the lowest power you should be able to see Saturn's rings and moons. This is one of the most satisfying objects in the sky to see simply because it looks like it does in pictures. Imagine seeing what you've seen in textbooks or NASA images from your backyard!

Jupiter—the largest planet in our solar system is spectacular. Most noted features are its dark stripes or bands both above and below its equator. These are the north and south equatorial belts. Also interesting are Jupiter's four major moons. Pay close attention to their positions from night to night. They appear to be lined up on either side of Jupiter.

Mars—The Great Red Planet appears as a reddish-orange disk. Look at different times of the year and try to catch a glimpse of the white polar ice caps.

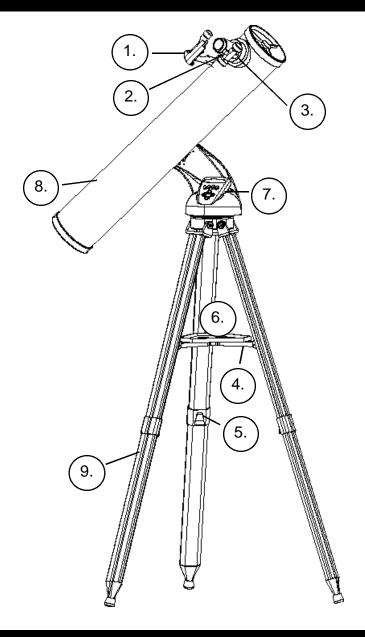
Venus—just like the moon, Venus changes phases from month to month. At times Venus appears brilliantly in the night sky, just as if you were looking at a distant crescent moon.

Nebulae—The Great Orion Nebula is a very well known night sky object. This and many others are brought to you by this telescope.

Star Clusters—View millions of stars densely packed in a cluster that resembles a ball.

Galaxies—One of the greatest and most interesting galaxies is our neighbor the Andromeda Galaxy. Enjoy this and many others.

78-8830 76mm and 78-8845 114mm Reflectors



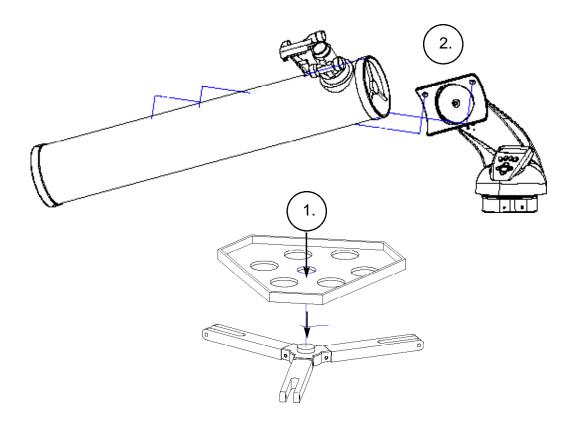
Telescope Parts Diagram

- 1. Red Dot Finderscope
- 2. 1.25" Format Eyepiece
- 3. Rack and Pinion Focusing Mechanism
- 4. Accessory Tray Brace
- 5. Quick-Release Tripod Leg Lever

- 6. Quick-Release Accessory Tray
- 7. Remote Computer Controller
- 8. Main Telescope Tube
- 9. Quick-Release Adjustable Aluminum Tripod

QUICK ASSEMBLY DIAGRAM

78-8830 76mm and 78-8845 114mm Reflectors



PARTS LIST

- Adjustable Aluminum Tripod Assembly
 (Pre-assembled to Northstar Computerized Star Locator Base)
- Quick Release Accessory Tray
- Northstar Telescope with finger attachment nuts
- Red Dot Finderscope
- 20mm 1.25" Diameter Eyepiece
- 4mm 1.25" Diameter Eyepiece
- Barlow Lens

DETAILED ASSEMBLY

No tools are required for assembly of your telescope.

Remove all components from the carton and identify all components. It is a good idea to lay all the parts out in front of you before assembly. Since your telescope is a precision optical system the parts require careful handling—particularly the onboard computer, telescope, eyepieces, and various accessory lenses.

SET UP TRIPOD AND ACCESSORY TRAY

- 1. Stand Northstar Computerized Star Locator Assembly and attached tripod legs in the upright position. Spread tripod legs to a comfortable distance.
- 2. Fold down the accessory tray braces and place the Quick Release Accessory Tray on top of braces. (See Quick Assembly Diagram)
- 3. Turn accessory tray until it snaps into place.
- 4. Adjust tripod leg height to suit by opening tripod leg lever and extending tripod legs to desired height. Clamp Tripod Leg lever closed when complete.

ATTACH TELESCOPE TUBE

- 1. Locate Main Telescope Tube.
- 2. Remove Telescope Tube Thumb Nuts from side of Telescope Tube. (See Quick Assembly Diagram)
- 3. Position Main Telescope Tube Attachment Bolts through Telescope Tube Bracket at the top of the Northstar Computerized Star Locator Assembly. Make sure the telescope is pointing in the correct direction. (Logo on telescope tube should be right-side up.)
- 4. Reattach Telescope Tube Thumb Nuts to Main Telescope Tube Attachment Bolts once Main Telescope Tube and Northstar Computerized Star Locator Assembly are assembled together.

ATTACH FINAL TELESCOPE ACCESSORIES

Locate Red Dot Finderscope.

For Reflector Telescopes: Remove Finderscope attachment nuts from Main Telescope Tube. Place Finderscope Assembly over Finderscope Attachment Bolts and reattach Finderscope thumb nuts to Finderscope Mount Bolts.

NOTE: The large end of the finderscope should face the open end of telescope tube.

2. Attach Low Power Eyepiece.

For Reflector Telescope Models: Insert lowest power eyepiece in the focusing mechanism by backing out eyepiece set screw and inserting eyepiece fully.

- 3. Tighten all set screws to secure accessories.
- 4. Remove Objective Dust Cover exposing entire diameter of open end of telescope.

SELECTING AN EYEPIECE

You should always start viewing with the lowest power eyepiece, which in this case is the 20 mm lens. Note: the base power of each eyepiece is determined by the focal length of the telescope objective lens. A formula can be used to determine the power of each eyepiece: telescope OBJECTIVE lens focal length divided by EYEPIECE focal length = MAGNIFICATION (e.g. Using the 20 mm lens, a sample calculation could look like this: 750 mm / 20 = 38x or 38 power. Telescope models will vary in focal length.)

Included with this telescope is a Barlow lens. Barlow lenses are used to double or triple the power of your telescope. Place your Barlow between the focusing tube and the eyepiece. Using the example above, your 3x Barlow lens would give you a total power of 114x or 114 power. ($38 \times 3 = 114x$ or 114 power). The magnification calculation would look like this: 750 mm/20mm = 38 power. $38 \text{ power} \times 3 = 114 \text{ power}$.

DETAILED ASSEMBLY (CONTINUED)

FOCUSING TELESCOPE

- 1. After selecting the desired eyepiece, aim main telescope tube at a land-based target at least 200 yards away (e.g. a telephone pole or building).
- 2. Fully extend Focusing Tube by turning Rack and Pinion Focusing Mechanism.
- While looking through selected eyepiece (in this case the 20 mm), slowly retract Focusing Tube by turning Rack and Pinion Focusing Mechanism until object comes into focus.

ATTACH REMOTE COMPUTER CONTROLLER AND BATTERY

- 1. Locate Remote Computer Controller and coil cord.
- 2. Locate Battery Door on Northstar Computerized Star Locator Base.
- 3. Remove Battery Door and insert one 9V battery.
- 4. Replace Battery Door.
- Attach Remote Computer Controller with coil cord to Northstar Computerized Star Locator Base.

ALIGNING FINDERSCOPE

Look through Main Telescope Tube and establish a well-defined target. (see Focusing Telescope section)

Remove plastic insulator from between Red Dot Finderscope battery and battery clip.

Turn Red Dot Finderscope on.

Looking through Red Dot Finderscope, turn adjustment wheels until the red dot is precisely centered on the same object already centered in Main Telescope Tube's field of view.

Now, objects located first with the Red Dot Finderscope will be centered in the field of view of the main telescope.



May Occur



ENJOYING YOUR NEW TELESCOPE

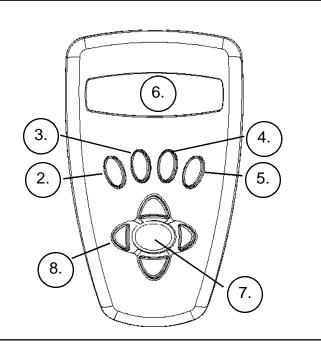
- First determine your targeted object. Any bright object in the night sky is a good starting point.
 One of the favorite starting points in astronomy is the moon. This is an object sure to please
 any budding astronomer or experienced veteran. When you have developed proficiency at
 this level, other objects become good targets. Saturn, Mars, Jupiter, and Venus are good
 second steps to take.
- 2. The first thing you need to do after assembling the telescope as planned is center the desired object in the finderscope's cross hairs. Provided you did a reasonable job aligning the finderscope, a quick look through the main telescope tube at low power should reveal the same image. With the lowest power eyepiece (the one with the largest number printed on it) you should be able to focus the same image that you saw through the finderscope. Avoid the temptation to move directly to the highest power. The low power eyepiece will give you a wider field of view, and brighter image—thus making it very easy to find your target object. At this point with a focused image in both scopes, you've passed the first obstacle. If you don't see an image after attempting to focus it in, you might consider aligning your finderscope again. Once you pass this step, you'll will enjoy the time spent ensuring a good alignment. Every object you center in the finderscope will be easily found in the main telescope tube, which is important for continuing your exploration of the night sky.
- 3. The low power eyepieces are perfect for viewing the full moon, planets, star clusters, nebulae, and even constellations. These should build your foundation. However, for more detail, try bumping up in magnification to higher power eyepieces on some of these objects. During calm and crisp nights, the light/dark separation line on the moon (called the "Terminator") is marvelous at high power. You can see mountains, ridges and craters jump out at you due to the highlights. Similarly, you can move up to higher magnifications on the planets and nebulae. Star clusters and individual stars are best viewed through the low power no matter what.
- 4. The recurring astronomical theater we call the night sky is an ever-changing billboard. In other words, the same movie does not play all the time. Rather, the positions of the stars change not only hourly as they seem to rise and set, but also throughout the year. As the earth orbits the sun our perspective on the stars changes on a yearly cycle about that orbit. The reason the sky seems to move daily just as the sun and the moon "move" across our sky is that the earth is rotating about its axis. As a result you may notice that after a few minutes or a few seconds depending on what power you are viewing at, the objects in your telescope will move. At higher magnifications especially, you will notice that the moon or Jupiter will "race" right out of the field of view. To compensate, just move your telescope to "track" it in the necessary path.

HELPFUL HINTS

- Your telescope is a very sensitive instrument. For best results and fewer vibrations set your telescope up on a level location on the ground rather than your concrete driveway or your wooden deck. This will provide a more stable foundation for viewing, especially if you've drawn a crowd with your new telescope.
- 2. If possible view from a location that has relatively few lights. This will allow you to see much fainter objects. You'd be surprised how much more you'll see from your local lake or park when compared to a backyard in the city.
- 3. Using your telescope out a window is NEVER recommended.
- 4. View objects that are high in the sky if possible. Waiting until the object rises well above the horizon will provide a brighter and crisper image. Objects on the horizon are viewed through several layers of earth's atmosphere. Ever wonder why the moon appears orange as it sets on the horizon? It's because you are looking through a considerable more amount of atmosphere than you would directly overhead. (Note: If objects high in the sky are distorted or wavy, you are probably viewing on a very humid night.) During nights of unstable atmosphere, viewing through a telescope can be frustrating if not impossible. Astronomers refer to crisp, clear nights as nights of "good seeing."

NORTHSTAR COMPUTER INTERFACE DIAGRAM

- On/Off Button (On Northstar Base)
- 2. Back Button
- Enter Button
- Scroll Up Button
- Scroll Down Button
- 6. LCD Display
- 7. "GO" Button
- 8. Motorized Movement Buttons (4)
- 9. Battery Door (On Northstar Base)



BUTTON FUNCTIONS

ALL BUTTONS ARE ILLUMINATED FOR NIGHTTIME USE.

On/Off Button: The On/Off Button will turn the Northstar Computerized Star Locator on and off. This button flashes or strobes on and off during normal use. To turn the unit off, simply depress and hold the On/Off button for three seconds and release. (Note: The Northstar Computerized Star Locator will automatically turn itself off after 10 minutes of inactivity.)

Back Button: This button functions to navigate to the previous level within the operating framework and/or back to the previous level of input.

Enter Button: This button functions to select certain menu choices. By pressing the ENTER button Northstar will advance to the selected level. When an object name or number is listed on the screen, the ENTER button can also be pressed to display a scrolling text description of the object.

Scroll Up Button: This button functions to scroll <u>up</u> through various menus within Northstar. Anytime you encounter a blinking text/number option, the scroll button will display the various choices within that menu. (Note: To select an option that you have scrolled to, just press the ENTER button.)

Scroll Down Button: This button functions to scroll <u>down</u> through various menus within Northstar. Anytime you encounter a blinking text/number option, the scroll button will display the various choices within that menu. (Note: To select an option that you have scrolled to, just press the ENTER button.)

"GO" Button: The GO button will automatically center any object displayed on the LCD display. By pushing the "GO" button, the telescope will automatically find and follow the selected object until another object is selected and the "GO" button is pushed again.

Motorized Movement Buttons: These four multi-directional buttons will allow the user to override the tracking system and move the telescope utilizing the motors manually to another desired location. The longer these buttons are depressed, the faster the Northstar will move until it reaches its maximum speed.

LCD DISPLAY

The Liquid Crystal Display (LCD) is a two-line, sixteen character display. The LCD is illuminated for use during nighttime viewing just like the buttons.

MODE OVERVIEW OF PRODUCT

Explore: The Explore Mode of Northstar provides the ability to explore various astronomical objects categorized by object type. These objects would fall under one or more of the following types of objects: Deep Sky, Planets, Constellations, and Stars. Each of these subheadings would also have subcategories of objects beneath their menu structure. (See Menu Tree for full list of menu functions and options.)

Sky Tour: The Sky Tour Mode of Northstar provides the ability to take a quick tour of the best and brightest objects for any given month of the year. If the date has been input into the system, the Sky Tour Mode will automatically default to that month. Objects can be chosen by using the scroll <u>up</u> or <u>down</u> arrows and pressing ENTER. To find out more information about any given object press the ENTER button while that object is displayed to see the scrolling text message.

Telescope: The Telescope Mode of Northstar provides real-time data on where the telescope is pointing. Astronomical Coordinates for Right Ascension (RA) and Declination (DEC) as well as Altitude (ALT) and Azimuth (AZ) are displayed simultaneously. In addition, in the lower right-hand corner will be the abbreviation for the current constellation that the telescope is pointed at.

Identify: The Identify Mode of Northstar provides the ability to identify any object within your telescope field of view. Subcategories for different classes of identifiable objects are included as well as an Identify Any option.

Align Earth: The Align Earth Mode of Northstar provides the ability to easily align your telescope utilizing common information non-astronomers would readily know. By entering simple information such as time, date, city, etc. a first time telescope user can explore the immense Northstar database of astronomical objects within minutes.

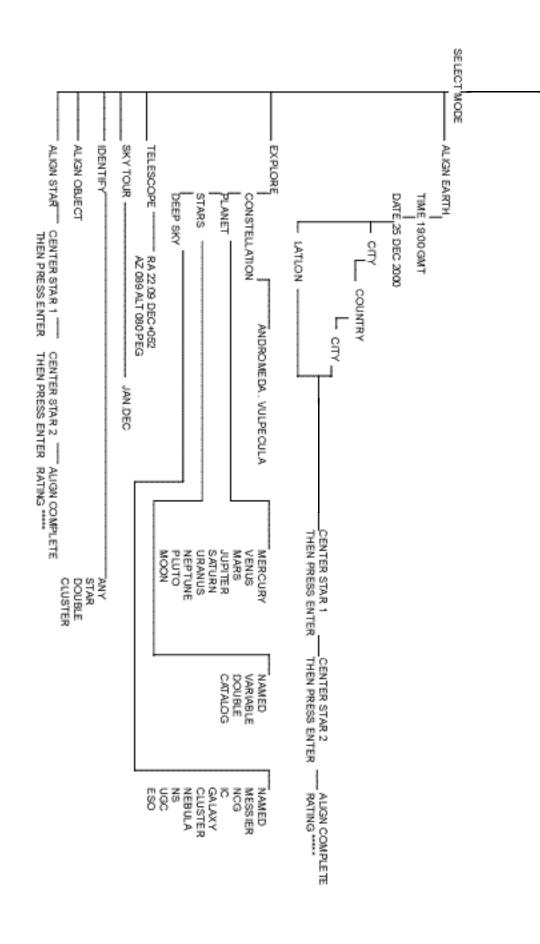
Align Star: The Align Star Mode of Northstar provides the ability to align your telescope utilizing some astronomical knowledge. By knowing where two stars are located in the sky, a novice user can circumvent the city, date, and time input and quickly start utilizing the Northstar database to locate amazing astronomical objects.

Align Object: The Align Object Mode of Northstar provides the ability to refine your telescope alignment during the middle of your observing session. This might come in very handy if the family dog has just bumped the telescope out of alignment. By using this mode you can center the telescope on any known object and select align object to quickly recalibrate the Northstar alignment allowing continued enjoyment for the duration of the evening.

MENU TREE

BUSHNELL NORTHSTAR COMPUTER MENU STRUCTURE (For Step-By-Step Easy Use Refer to Quick Reference Guide)

WELCOME TO BUSHNELL NORTHSTAR



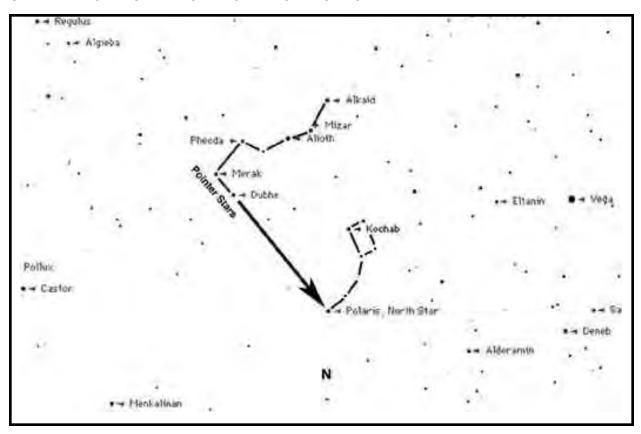
ALIGNING NORTHSTAR FOR THE FIRST TIME

(NOTE: Make certain that the telescope is set up on a level surface.)

STEP 1: POINT NORTH

Point the telescope in the direction of North.

NOTE: THE USER SHOULD JUSTATTEMPT TO GETTHE TELESCOPE POINTED RELATIVELYCLOSE TO NORTH. THE ALIGNMENT WILL BE REFINED AS WE PROGRESS. HOWEVER, IF YOU CAN FIND THE BIG DIPPER AND USE THE "POINTER STARS", FOLLOW THE ARROW ON THE DIAGRAM TO THE NORTH STAR. THE NORTH STAR LIES DIRECTLYABOVE DUE NORTH!



When you turn the telescope on, a scrolling message will appear:

Following this message, the telescope will execute a diagnostic check and level the telescope tube in relation to the telescope mount.

Then the default menu will appear:

This mode assumes that even if the telescope user is a first time user and does not know anything about astronomy that they can be successful aligning the telescope in a few simple steps.

The ALIGN EARTH option is flashing.

Press ENTER to choose ALIGN EARTH option.

NOTE: ANY FLASHING ITEM ON THE DISPLAY IS A MENU CHOICE. OTHER CHOICES ARE AVAILABLE BY USING THE SCROLL UP OR SCROLL DOWN BUTTONS.

ALIGNING NORTHSTAR FOR THE FIRST TIME (Continued)

STEP 2: SET THE TIME

By using the SCROLL UP and SCROLLDOWN buttons and the ENTER button, the time can easily be set as well as the time zone. Each flashing option will need to be changed to read the appropriate number. Once the appropriate number is displayed, accept the number by pressing ENTER. Then set the next flashing option until the time and time zone are set.

STEP 3: SET THE DATE

Again by using the SCROLL UP and SCROLLDOWN buttons and the ENTER button, the date can easily be set. Each flashing option will need to be changed to read the appropriate number or month. Once the appropriate number is displayed, accept the number by pressing ENTER. Then set the next flashing option until the day, month and year are set.

STEP 4: SET THE LOCATION

The next screen will display:

```
ALIGN EARTH
CITY AV
```

CITY will be flashing. By pressing the ENTER button, the display will change to:

```
0 0 U
U . S .
```

The country will be flashing.

Again by using the SCROLL UP and SCROLL DOWN buttons and the ENTER button, the COUNTRY can be chosen. When the appropriate Country is found and the ENTER button is pushed, choose the city that you are closest to by pressing ENTER when it is displayed.

NOTE: CHOOSE THE CITY CLOSEST TO YOUR VIEWING LOCATION. THIS IS NOTA CRITICALSTEP AND THE ALIGNMENT WILL BE REFINED AUTOMATICALLYAS WE PROGRESS.

After four simple criteria that any consumer should know, the telescope now knows where over 20,000 astronomical objects are in the night sky to a relative precision. With just two more steps, you will zero in on pinpoint accuracy.

Now the telescope will lead you through a simple two star alignment process. YOU DO NOTNEED TO KNOW WHERE ANY STARS ARE. You just simply follow the directions.

Ascrolling message indicates to CENTER STAR 1 THEN PRESS ENTER

Then the display will read:

```
CENTER STAR 1.
41.20 #52 MIZAR
```

Push the "GO" button and the telescope will automatically move to the general vicinity of the first guide star--in this case MIZAR

The guide stars will be the brightest stars found in that area of the sky. Northstar will automatically "zero out" the guide star and the display will read:

```
CENTER STAR 1.
000 000 MIZAR
```

Note as you move from greater than 10 degrees away from an object to under ten degrees, the display moves into tenths of degrees with the arrows acting as decimal points (Example 8:5=8.5 degrees below the object).

After getting the star zeroed in, you need to do as the screen told you—CENTER STAR 1. In other words, the star might appear in the lower left corner of your telescope's eyepiece.

By looking through the eyepiece, center the star in the field of view by using the Motorized Movement Buttons or move the telescope by hand and press ENTER.

ALIGNING NORTHSTAR FOR THE FIRST TIME (Continued)

The distance the object is from the center is related to how far outside of a city you might be located or how accurately you aligned with north.

Repeat this process for STAR 2 and press ENTER.

After this step is completed, you will see a display that reads:

```
ALIGN COMPLETE
RATING ROWGON
```

(Note: The more stars that appear on the second line of the display the better, up to 5)

After the two star alignment is complete, your Northstar now knows with pinpoint accuracy where all 20,000+ objects are!!

USING NORTHSTAR FOR THE FIRST TIME

After EARTH ALIGN, the display will then read:

```
SELECT MODE
EXPLORE ***
```

Select EXPLORE by pressing ENTER. SCROLL UP and DOWN to see what flashing menu choices you have. Choose PLANET. These are the most interesting. Even if you are a first time telescope user, PLANET objects can be very exciting.

Press ENTER when the display reads:

```
E X P
```

This will take you into a list of named PLANET objects. By using the SCROLL UP or SCROLLDOWN buttons, you can explore several items in the object list.

```
P L A
JUPITER 44
```

Press ENTER to choose the PLANET you wish to view. The display will then be:

```
P L A
+120 +52 JUPITER
```

NOTE: IF AN OBJECT IS BELOW THE HORIZON, THE DISPLAY WILL PERIODICALLY DISPLAY THE WORD "HORIZON".

SCROLL UP or SCROLL DOWN to see other PLANETS in the list. Notice the display shows you directions to each object. But what if you are a first time user wanting to find out more about the object? Wouldn't it be nice to know what the object is before moving the telescope?

PRESS ENTER when:

```
P L A
+120 +52 JUPITER
```

any other PLANETitem is displayed. You will see a scrolling message telling you the coordinates for the object, how bright it is, how big it is, what its proper name is, what constellation it is in, and a brief description of what the object is. For JUPITER it reads:

```
JUPITER fifth planet from sun.
Largest planet in solar system.
16 moons. Orbit is 11.86 years.
Diameter 143,000 km. Named for roman king of gods.
```

USING NORTHSTAR FOR THE FIRST TIME (Continued)

Now imagine that you are a parent trying to impress your children (or vice versa). Ten minutes into your first observing session you are already learning astronomical objects.

This is a great educational tool !!!!

To find the object, just press the "GO" button and that object will be right in the telescope's eyepiece!

By pressing the BACK button, you move back to the previous level each time the button is pressed. Press the button three times and you are back at the main level menu. The display will read:

```
SELECT MODE
EXPLORE 494
```

SCROLL UP or SCROLL DOWN to select

```
SELECT MODE
SKY TOUR 44.
```

Press ENTER.

This mode will take you through the best and brightest objects for each month. If you have done the ALIGN EARTH alignment and entered the date, it will automatically take you to the current month. Don't know what some of these obscure objects and abbreviations mean? Just press the ENTER key for more information.

Press the BACK button until you get back to the main menu:

```
SELECT MODE
SKY TOUR 14.
```

SCROLLUP or SCROLL DOWN until the display reads:

```
SELECT MODE IDENTIFY 44
```

PRESS ENTER

This mode will default to the level

```
IDENTIFY ANY
```

By selecting this option with the ENTER key, it will IDENTIFY the object that you are currently viewing OR the closest object to where your telescope is currently pointed. You also have the options to choose other types of IDENTIFY menus. These will IDENTIFY the closest CLUSTERS, NEBULAS, etc. to your current telescope position.

To select the final mode press ENTER at the display:

```
SELECT MODE
TELESCOPE 44
```

The display reads something like:

```
RA18:53 DEC+38.7
AZ280 ALT+62 LVR
```

The TELESCOPE mode gives you dynamic real-time information on your telescope's current position in terms of astronomical coordinates. Play around with this mode by moving the telescope around. Notice the three letter abbreviation in the lower right portion of the display. This dynamically displays the current CONSTELLATION that the telescope is pointing at. These names are abbreviated in this mode. Definitions for the abbreviations will be in the catalog index.

Catalog Index

The following appendix information is more thorough information than that listed in the main instruction manual. For sake of space, the complete 20,000 object catalog is not listed. However, we have included the entire star list and the entire Messier object lists for your information. In addition, the constellation abbreviations are defined that are found in the Northstar system.

Catalog Index

CONSTELLATION ABBREVIATIONS

Andromeda (And)

Antila (Ant)

Apus (Aps)

Aquarius (Aqr)

Aquila (Aql)

Ara (Ara)

Aries (Ari)

Auriga (Aur)

Bootes (Boo)

Caelum (Cae)

Camelopardis (Cam)

Cancer (Cnc)

Canes Venatici (CVn)

Canis Major (CMa)

Canis Minor (CMi)

Capricornus (Cap)

Carina (Car)

Cassiopeia (Cas)

Centaurus (Cen)

Cepheus (Cep)

Cetus (Cet)

Chameleon (Cha)

Circinus (Cir)

Columbia (Col)

Coma Berenices (Com)

Corona Australis (CrA)

Corona Borealis (CrB)

Corvus (Crv)

Crater (Crt)

Crux (Cru)

Cygnus (Cyg)

Delphinus (Del)

Dorado (Dor)

Draco (Dra)

Equuleus (Equ)

Eridanus (Eri)

Fornax (For)

Gemini (Gem)

Grus (Gru)

Hercules (Her)

Horologium (Hor)

Hydra (Hya)

Hydrus (Hyi)

Indus (Ind)

Lacerta (Lac)

Leo (Leo)

Leo Minor (LMi)

Lepus (Lep)

Libra (Lib)

Lupus (Lup)

Lynx (Lyn)

Lyra (Lyr)

Mensa (Men)

Microscopium (Mic)

Monoceros (Mon)

Musca (Mus)

Norma (Nor)

Octans (Oct)

Ophiuchus (Oph)

Orion (Ori)

Pavo (Pav)

Pegasus (Peg)

Perseus (Per)

Phoenix (Phe)

Pictor (Pic)

Pisces (Psc)

Piscis Austrinus (PsA)

Puppis (Pup)

Pyxis (Pyx)

Reticulum (Ret)

Sagitta (Sge)

Sagittarius (Sgr)

Scorpius (Sco)

Sculptor (ScI)

Scutum (Sct)

Serpens (Ser)

Sextans (Sex)

Taurus (Tau)

Telescopium (Tel)

Triangulum (Tri)

Triangulum Australe (TrA)

Tucana (Tuc)

Ursa Major (UMa)

Ursa Minor (UMi)

Vela (Vel)

Virgo (Vir)

Volcans (Vol)

Vulpecula (Vul)

Catalog Index

NAME - NAME

RA - RIGHT ASCENSION (hours min.min)

DEC - DECLINATION (degrees)

MAG - MAGNITUDE

SIZE - SIZE

CON - CONSTELLATION

Messier Catalog

| MOS01 Cith nebula supemova rememant NGC 1952 05 34 5 - 92.0 8.4 6 7. | MESS | SIER CATALOG | NAME | RA | DEC | MAG | SIZE | CON | DESCRIPTION |
|--|--------|-------------------------------|----------|---------|-------|-----|------|-----|---|
| M006 M007 M006 M007 | M001 | Crab nebula supernova remnant | NGC 1952 | 05 34.5 | +22.0 | 8.4 | 6' | Tau | nebula |
| M006 M007 M006 M007 | M002 | | NGC 7089 | 21 33.5 | -0.8 | 6 | 7' | Aqr | globular cluster highly resolved |
| M006 M007 M006 M007 | M003 | | NGC 5272 | 13 42.2 | +28.4 | 6 | 18' | Cvn | globular cluster highly resolved |
| M006 | M004 | | NGC 6121 | 16 23.6 | -26.5 | 5.9 | 26' | Sco | globular cluster highly resolved |
| M006 | M005 | | NGC 5904 | 15 18.6 | +02.1 | 6.2 | 13' | Ser | globular cluster highly resolved |
| M000 | M006 | butterfly | NGC 6405 | 17 40.1 | -32.2 | 4.6 | 25' | Sco | |
| Monopo | | , | | | | 5 | | Sco | • |
| M009 | | Lagoon | | | | | 80' | | • |
| Mo11 | | | | | | | | | |
| Motion M | M010 | | | | | 7 | | | • |
| MO12 | | wild duck | | | | | | | - · · · · · · · · · · · · · · · · · · · |
| MO14 | | | | | | | | | • |
| M015 | | | | | | | | • | |
| M016 Eagle | | | | | | | | | |
| MO17 | M015 | | NGC 7078 | | | 6.5 | 10' | • | |
| Mo18 | | Eagle | | | | | | - | |
| MO19 | | | | | | | | | |
| M020 | | - Tan | | | | | | | |
| MO21 | | | | | | | | | • |
| MO22 | | Trifid | | | | | | | • |
| MO22 brows and MO23 brows and MO24 brows and MO24 brows and MO25 brows and MO25 brows and MO26 brows and MO27 brows and MO28 brows and MO29 brows an | | | | | | | | | |
| MO23 brown Mo24 mode with mode wi | | | | | | | | | • |
| MO25 mo26 lc 4725 18 15.9 lc 4725 18 31.6 lc 4725 19.3 lc 4725 Sgr scattered group of stars open cluster bright scattered group of stars M027 Dumbell NGC 6685 lc 48 24.5 lc 4.22.7 lc 4.4 lc 4.5 lc 4.2 lc 4.2 lc 4.4 lc 4.5 lc 4.2 lc 4.4 lc | | | | | | | | | · · · · · · · · · · · · · · · · · · · |
| M025 brown M026 brown M027 brown M027 brown M027 brown M028 brown M029 brown | | small star cloud | | | | | | | • |
| M026 M027 Dumbell NGC 6694 NGC 6853 18 45.2 9.4 9.5 9' Vul planetary nebula irregular M027 Dumbell NGC 6853 19 59.6 18 24.5 -24.9 8 6' Sgr globular cluster highly resolved M028 M029 NGC 6913 20 23.9 +38.5 7 7 7' Cyg open cluster bright scattered M030 NGC 6913 20 23.9 +38.5 7 7 7' Cyg open cluster bright resolved M031 Great Andromeda Galaxy NGC 7099 21 40.4 -23.2 8 6' Cap globular cluster highly resolved M031 Great Andromeda Galaxy NGC 224 00 42.7 +40.9 8.2 8' And round galaxy with bright core M032 Pinwheel NGC 218 00 42.7 +40.9 8.2 8' And round galaxy with bright core M033 Pinwheel NGC 1039 9 02 42.0 +42.8 5.2 30' Per open cluster rich M034 NGC 1039 NGC 1960 05 36.1 +34.1 6 130' Gem NGC 1960 NGC 19 | - | | IC 4725 | | | | | | • |
| MO27 Dumbell NGC 6853 19 59.6 4.22.7 8 8' Vul planetary nebula irregular globular cluster highly resolved M028 NGC 6626 18 24.5 -24.9 8 6' Sgr globular cluster highly resolved M030 NGC 7099 21 40.4 -23.2 8 6' Cap globular cluster highly resolved M031 Great Andromeda Galaxy NGC 224 00 42.7 +41.3 3.4 3° And very elongated galaxy dusty with bright core M033 Pinwheel NGC 598 01 33.9 +30.7 5.7 60' Tri spiral galaxy structure with bright core M034 NGC 1093 02 42.0 +42.8 5.2 30' Gem open cluster rich M035 NGC 1960 05 36.1 +34.1 6 12' Aur open cluster rich M036 NGC 1999 05 52.4 +32.6 6.6 24' Aur open cluster bright scattered M037 NGC 2929 15 3.5 5.6 24' | | | | | | | | | · · |
| MO28 NGC 6626 18 24.5 -24.9 8 6' Sgr globular cluster highly resolved M029 NGC 6913 20 23.9 +38.5 7 7' Cyg open cluster bright scattered M031 Great Andromeda Galaxy NGC 224 00 42.7 +41.3 3.4 3° And very elongated galaxy dusty with bright core M032 Pinwheel NGC 598 01 33.9 +30.7 5.7 60' Tri spiral galaxy structure with bright core M033 Pinwheel NGC 598 01 33.9 +30.7 5.7 60' Tri spiral galaxy structure with bright knots M034 NGC 1039 02 42.0 +42.8 5.2 30' Per open cluster rich M035 NGC 1960 05 61.1 +34.1 6 12' Aur open cluster rich M037 NGC 1960 05 52.4 +32.6 5.6 24' Aur open cluster rich M038 NGC 7912 05 28.7 +35.8 6.4 21' | | Dumbell | | | | | | | |
| MO29 NGC 6913 20 23.9 +38.5 7 r Cyg open cluster bright scattered M030 Great Andromeda Galaxy NGC 7099 21 40.4 -23.2 8 6' Cap globular cluster highly resolved M031 Great Andromeda Galaxy NGC 224 00 42.7 +41.3 3.4 3° And very elongated galaxy with bright core M033 Pinwheel NGC 598 01 33.9 +30.7 5.7 60' Tri spiral galaxy structure with bright knots M034 NGC 1039 02 42.0 +42.8 5.2 30' Per open cluster rich M035 NGC 1960 05 66.1 +34.1 6 12' Aur open cluster rich M037 NGC 2099 05 52.4 +32.6 5.6 24' Aur open cluster dense M039 NGC 1912 25 28.7 +35.8 6.4 21' Aur open cluster bright scattered M040 Winnecke 4 12 19.8 +58.3 9 50' UMa <t< td=""><td></td><td>2 426</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></t<> | | 2 426 | | | | | | | |
| M030 Great Andromeda Galaxy NGC 7099 21 40.4 -23.2 8 6' Cap Cap globular cluster highly resolved M031 Great Andromeda Galaxy NGC 224 00 42.7 +41.3 3.4 3° And very elongated galaxy dusty with bright core round galaxy with bright core with bright knots NGC 1039 Pinwheel NGC 598 01 33.9 +30.7 5.7 60' Tri spiral galaxy structure with bright knots popen cluster rich M034 NGC 1039 02 42.0 +42.8 5.2 30' Per open cluster rich M035 NGC 2168 06 08.9 +24.3 5.1 30' Gem open cluster rich M036 NGC 1960 05 52.4 +32.6 5.6 24' Aur open cluster rich M037 NGC 1912 05 28.7 +35.8 6.4 21' Aur open cluster bright scattered M040 Winnecke 4 NGC 2932 64 7.0 -20.7 4.5 38' Cma open cluster bright with dust M042 <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> | | | | | | | | | |
| M031 Great Andromeda Galaxy NGC 224 NGC 221 00 42.7 val.9 +41.3 val.9 3.2 very elongated galaxy dusty with bright core round galaxy with bright core val. val. val. val. val. val. val. val. | | | | | | | | | , |
| M032 Pinwheel NGC 221 NgC 598 | | Great Andromeda Galaxy | | | | | | | |
| M033 Pinwheel NGC 598 01 33.9 +30.7 5.7 60' Tri spiral galaxy structure with bright knots M034 NGC 1039 02 42.0 +42.8 5.2 30' Per open cluster rich M036 NGC 2168 06 08.9 +24.3 5.1 30' Gem open cluster rich M036 NGC 1960 05 36.1 +34.1 6 12' Aur open cluster rich M037 NGC 2099 05 52.4 +32.6 5.6 24' Aur open cluster rich M038 NGC 1912 05 28.7 +35.8 6.4 21' Aur open cluster rich M039 NGC 7092 21 32.2 +48.4 5 30' Cyg open cluster bright scattered M040 Winnecke 4 12 19.8 +58.3 9 50" UMa double star M041 NGC 1962 05 35.4 -5.5 4 1° Ori nebula M042 Great Orion nebula NGC 1962 05 35.4 <t>-5.5 4 1° Ori</t> | | | | | | | | | |
| M034 M035 M05 M06 M039 M05 M05 M06 M039 M05 M06 M066 NGC 1039 M06 M089 M06 M089 M06 M060 M066 424.8 M036 M060 M060 M060 M060 M060 M066 M060 M066 M060 M060 M066 M060 M066 M060 M066 M060 M060 M066 M060 M066 M066 M060 M066 M060 | | Pinwheel | | | | | | | |
| M035 NGC 2168 06 08.9 +24.3 5.1 30' Gem open cluster rich M036 NGC 1960 05 36.1 +34.1 6 12' Aur open cluster rich M037 NGC 2099 05 52.4 +32.6 5.6 24' Aur open cluster dense M038 NGC 1912 05 28.7 +35.8 6.4 21' Aur open cluster bright scattered M040 NGC 7092 21 32.2 +48.4 5 30' Cyg open cluster bright scattered M041 NGC 7092 21 32.2 +48.4 5 30' Cyg open cluster bright scattered M041 NGC 2287 06 47.0 -20.7 4.5 38' Cma open cluster dense M042 Great Orion nebula NGC 1976 05 35.4 -5.5 4 1° Ori nebula M043 NGC 1982 05 35.6 -5.3 9 20' Ori nebula bright with dust M049 NGC 2432 08 | | | NGC 1039 | 02 42.0 | +42.8 | 5.2 | 30' | Per | |
| M037 NGC 2099 05 52.4 +32.6 5.6 24' Aur open cluster dense M038 NGC 1912 05 28.7 +35.8 6.4 21' Aur open cluster dense M039 NGC 1912 05 28.7 +35.8 6.4 21' Aur open cluster bright scattered M040 Winnecke 4 12 19.8 +58.3 9 50" UMa double star M041 NGC 2287 06 47.0 -20.7 4.5 38' Cma open cluster dense M042 Great Orion nebula NGC 1976 05 35.4 -5.5 4 1° Ori nebula bright with dust M043 NGC 1982 05 35.6 -5.5 4 1° Ori nebula bright with dust M044 Behive NGC 2832 08 40.1 +20.0 3.1 1.5° Cnc open cluster bright scattered M045 Pleiades Pleiades 03 47.0 +24.1 1.5 1.5° Tau scattered group of stars <tr< td=""><td>M035</td><td></td><td>NGC 2168</td><td>06 08.9</td><td>+24.3</td><td>5.1</td><td>30'</td><td>Gem</td><td>open cluster rich</td></tr<> | M035 | | NGC 2168 | 06 08.9 | +24.3 | 5.1 | 30' | Gem | open cluster rich |
| M038 NGC 1912 05 28.7 +35.8 6.4 21' Aur open cluster rich open cluster rich open cluster bright scattered M039 M040 Winnecke 4 12 19.8 +48.4 5 30' Cyg open cluster bright scattered M041 NGC 2287 06 47.0 -20.7 4.5 38' Cma open cluster dense M042 Great Orion nebula NGC 1976 05 35.4 -5.5 4 1° Ori nebula nebula bright with dust M043 NGC 1982 05 35.6 -5.3 9 20' Ori nebula bright with dust M044 Behive NGC 2632 08 40.1 +20.0 3.1 1.5° Cnc open cluster bright scattered M045 Pleiades Pleiades 03 47.0 +24.1 1.5° Tau scattered group of stars M046 NGC 2437 07 41.8 -14.8 6.1 27' Pup open cluster dense M047 NGC 2422 07 36.6 -14.5 4.4 30' Pup open cluster rich M048 NGC 2548 08 13.8 -5.8 5.8 40' Hya open cluster rich <td>M036</td> <td></td> <td>NGC 1960</td> <td>05 36.1</td> <td>+34.1</td> <td>6</td> <td>12'</td> <td>Aur</td> <td>·</td> | M036 | | NGC 1960 | 05 36.1 | +34.1 | 6 | 12' | Aur | · |
| M039 NGC 7092 21 32.2 +48.4 5 30' Cyg open cluster bright scattered double star M040 Winnecke 4 12 19.8 +58.3 9 50" UMa double star M041 NGC 2287 06 47.0 -20.7 4.5 38' Cma open cluster dense M042 Great Orion nebula NGC 1976 05 35.4 -5.5 4 1° Ori nebula M043 NGC 1982 05 35.6 -5.3 9 20' Ori nebula bright with dust M044 Behive NGC 2632 08 40.1 +20.0 3.1 1.5° Cnc open cluster bright scattered M045 Pleiades Pleiades 03 47.0 +24.1 1.5 1.5° Tau scattered group of stars M046 NGC 2437 07 41.8 -14.8 6.1 27' Pup open cluster dense M047 NGC 2422 07 36.6 -14.5 4.4 30' Pup open cluster rich | M037 | | NGC 2099 | 05 52.4 | +32.6 | 5.6 | 24' | Aur | open cluster dense |
| M040 Winnecke 4 12 19.8 +58.3 9 50" UMa double star M041 NGC 2287 06 47.0 -20.7 4.5 38' Cma open cluster dense M042 Great Orion nebula NGC 1976 05 35.4 -5.5 4 1° Ori nebula bright with dust M043 NGC 1982 05 35.6 -5.3 9 20' Ori nebula bright with dust M044 Behive NGC 2632 08 40.1 +20.0 3.1 1.5° Cnc open cluster bright scattered M045 Pleiades Pleiades 03 47.0 +24.1 1.5 1.5° Tau scattered group of stars M046 NGC 2437 07 41.8 -14.8 6.1 27' Pup open cluster dense M047 NGC 2422 07 36.6 -14.5 4.4 30' Pup open cluster dense M048 NGC 2472 12 29.8 +08.0 8.4 8' Vir round galaxy with bright core <tr< td=""><td>M038</td><td></td><td>NGC 1912</td><td>05 28.7</td><td>+35.8</td><td>6.4</td><td>21'</td><td>Aur</td><td>open cluster rich</td></tr<> | M038 | | NGC 1912 | 05 28.7 | +35.8 | 6.4 | 21' | Aur | open cluster rich |
| M041 NGC 2287 06 47.0 -20.7 4.5 38' Cma open cluster dense M042 Great Orion nebula NGC 1976 05 35.4 -5.5 4 1° Ori nebula M043 NGC 1982 05 35.6 -5.3 9 20' Ori nebula bright with dust M044 Behive NGC 2632 08 40.1 +20.0 3.1 1.5° Cnc open cluster bright scattered M045 Pleiades 03 47.0 +24.1 1.5 1.5° Tau scattered group of stars M046 NGC 2437 07 41.8 -14.8 6.1 27' Pup open cluster dense M047 NGC 2422 07 36.6 -14.5 4.4 30' Pup open cluster dense M048 NGC 2548 08 13.8 -5.8 5.8 40' Hya open cluster dense M050 NGC 3233 07 03.2 -8.3 6 20' Mon open cluster close M051 Whirlpool | M039 | | NGC 7092 | 21 32.2 | +48.4 | 5 | 30' | Cyg | open cluster bright scattered |
| M042 Great Orion nebula NGC 1976 05 35.4 -5.5 4 1° Ori nebula nebula bright with dust M043 NGC 1982 05 35.6 -5.3 9 20° Ori nebula bright with dust M044 Behive NGC 2632 08 40.1 +20.0 3.1 1.5° Cnc open cluster bright scattered M045 Pleiades Pleiades 03 47.0 +24.1 1.5 1.5° Tau scattered group of stars M046 NGC 2437 07 41.8 -14.8 6.1 27° Pup open cluster dense M047 NGC 2422 07 36.6 -14.5 4.4 30° Pup open cluster dense M048 NGC 2548 08 13.8 -5.8 5.8 40° Hya open cluster rich M049 NGC 4472 12 29.8 +08.0 8.4 8° Vir round galaxy with bright core M051 Whirlpool NGC 5194 13 29.9 +47.2 8.1 11° Cvn sp | M040 | Winnecke 4 | | 12 19.8 | +58.3 | 9 | 50" | UMa | double star |
| M043 NGC 1982 05 35.6 -5.3 9 20' Ori nebula bright with dust M044 Behive NGC 2632 08 40.1 +20.0 3.1 1.5° Cnc open cluster bright scattered M045 Pleiades Pleiades 03 47.0 +24.1 1.5 1.5° Tau scattered group of stars M046 NGC 2437 07 41.8 -14.8 6.1 27' Pup open cluster dense M047 NGC 2422 07 36.6 -14.5 4.4 30' Pup open cluster dense M048 NGC 2548 08 13.8 -5.8 5.8 40' Hya open cluster rich M050 NGC 4472 12 29.8 +08.0 8.4 8' Vir round galaxy with bright core M051 Whirlpool NGC 5194 13 29.9 +47.2 8.1 11' Cvn spiral galaxy structure attached companion M052 NGC 5024 13 12.9 +18.2 8 10' Com globular cluster highly | M041 | | NGC 2287 | 06 47.0 | -20.7 | 4.5 | 38' | Cma | open cluster dense |
| M044 Behive NGC 2632 08 40.1 +20.0 3.1 1.5° Cnc open cluster bright scattered M045 Pleiades Pleiades 03 47.0 +24.1 1.5 1.5° Tau scattered group of stars M046 NGC 2437 07 41.8 -14.8 6.1 27' Pup open cluster dense M047 NGC 2422 07 36.6 -14.5 4.4 30' Pup open cluster dense M048 NGC 2548 08 13.8 -5.8 5.8 40' Hya open cluster rich M049 NGC 4472 12 29.8 +08.0 8.4 8' Vir round galaxy with bright core M050 NGC 2323 07 03.2 -8.3 6 20' Mon open cluster rich M051 Whirlpool NGC 5194 13 29.9 +47.2 8.1 11' Cvn spiral galaxy structure attached companion M052 NGC 7654 23 24.2 +61.6 7 12' Cas open cluster highly resolved </td <td>M042</td> <td>Great Orion nebula</td> <td>NGC 1976</td> <td>05 35.4</td> <td>-5.5</td> <td>4</td> <td>1°</td> <td>Ori</td> <td>nebula</td> | M042 | Great Orion nebula | NGC 1976 | 05 35.4 | -5.5 | 4 | 1° | Ori | nebula |
| M045 Pleiades Pleiades 03 47.0 +24.1 1.5 1.5° Tau scattered group of stars M046 NGC 2437 07 41.8 -14.8 6.1 27' Pup open cluster dense M047 NGC 2422 07 36.6 -14.5 4.4 30' Pup open cluster dense M048 NGC 2548 08 13.8 -5.8 5.8 40' Hya open cluster rich M049 NGC 4472 12 29.8 +08.0 8.4 8' Vir round galaxy with bright core M050 NGC 2323 07 03.2 -8.3 6 20' Mon open cluster rich M051 Whirlpool NGC 5194 13 29.9 +47.2 8.1 11' Cvn spiral galaxy structure attached companion M052 NGC 7654 23 24.2 +61.6 7 12' Cas open cluster dense M053 NGC 5024 13 12.9 +18.2 8 10' Com globular cluster highly resolved <td< td=""><td></td><td></td><td></td><td>05 35.6</td><td></td><td>9</td><td>20'</td><td>Ori</td><td>S .</td></td<> | | | | 05 35.6 | | 9 | 20' | Ori | S . |
| M046 NGC 2437 07 41.8 -14.8 6.1 27' Pup open cluster dense M047 NGC 2422 07 36.6 -14.5 4.4 30' Pup open cluster dense M048 NGC 2548 08 13.8 -5.8 5.8 40' Hya open cluster rich M049 NGC 4472 12 29.8 +08.0 8.4 8' Vir round galaxy with bright core M050 NGC 2323 07 03.2 -8.3 6 20' Mon open cluster rich M051 Whirlpool NGC 5194 13 29.9 +47.2 8.1 11' Cvn spiral galaxy structure attached companion M052 NGC 7654 23 24.2 +61.6 7 12' Cas open cluster dense M053 NGC 5024 13 12.9 +18.2 8 10' Com globular cluster highly resolved M054 NGC 6715 18 55.1 -30.5 9 6' Sgr globular cluster highly resolved M055 NGC 6809 19 40.0 -31 7 15' Sgr globular cluster highly resolved <td></td> <td></td> <td>NGC 2632</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> | | | NGC 2632 | | | | | | |
| M047 NGC 2422 07 36.6 -14.5 4.4 30' Pup open cluster dense M048 NGC 2548 08 13.8 -5.8 5.8 40' Hya open cluster rich M049 NGC 4472 12 29.8 +08.0 8.4 8' Vir round galaxy with bright core M050 NGC 2323 07 03.2 -8.3 6 20' Mon open cluster rich M051 Whirlpool NGC 5194 13 29.9 +47.2 8.1 11' Cvn spiral galaxy structure attached companion M052 NGC 7654 23 24.2 +61.6 7 12' Cas open cluster dense M053 NGC 5024 13 12.9 +18.2 8 10' Com globular cluster highly resolved M054 NGC 6715 18 55.1 -30.5 9 6' Sgr globular cluster mottled M055 NGC 6809 19 40.0 -31 7 15' Sgr globular cluster highly resolved M056 NGC 6779 19 16.6 +30.2 8 5' Lyr planetary nebula ring with centra | M045 | Pleiades | Pleiades | 03 47.0 | +24.1 | 1.5 | 1.5° | Tau | scattered group of stars |
| M048 NGC 2548 08 13.8 -5.8 5.8 40' Hya open cluster rich M049 NGC 4472 12 29.8 +08.0 8.4 8' Vir round galaxy with bright core M050 NGC 2323 07 03.2 -8.3 6 20' Mon open cluster rich M051 Whirlpool NGC 5194 13 29.9 +47.2 8.1 11' Cvn spiral galaxy structure attached companion M052 NGC 7654 23 24.2 +61.6 7 12' Cas open cluster dense M053 NGC 5024 13 12.9 +18.2 8 10' Com globular cluster highly resolved M054 NGC 6715 18 55.1 -30.5 9 6' Sgr globular cluster highly resolved M055 NGC 6809 19 40.0 -31 7 15' Sgr globular cluster highly resolved M056 NGC 6779 19 16.6 +30.2 8 5' Lyr planetary nebula ring with central star | M046 | | | | | 6.1 | | | open cluster dense |
| M049 NGC 4472 12 29.8 +08.0 8.4 8' Vir round galaxy with bright core M050 NGC 2323 07 03.2 -8.3 6 20' Mon open cluster rich M051 Whirlpool NGC 5194 13 29.9 +47.2 8.1 11' Cvn spiral galaxy structure attached companion M052 NGC 7654 23 24.2 +61.6 7 12' Cas open cluster dense M053 NGC 5024 13 12.9 +18.2 8 10' Com globular cluster highly resolved M054 NGC 6715 18 55.1 -30.5 9 6' Sgr globular cluster mottled M055 NGC 6809 19 40.0 -31 7 15' Sgr globular cluster highly resolved M056 NGC 6779 19 16.6 +30.2 8 5' Lyr planetary nebula ring with central star | | | | | | | | | open cluster dense |
| M050 NGC 2323 07 03.2 -8.3 6 20' Mon open cluster rich M051 Whirlpool NGC 5194 13 29.9 +47.2 8.1 11' Cvn spiral galaxy structure attached companion M052 NGC 7654 23 24.2 +61.6 7 12' Cas open cluster dense M053 NGC 5024 13 12.9 +18.2 8 10' Com globular cluster highly resolved M054 NGC 6715 18 55.1 -30.5 9 6' Sgr globular cluster mottled M055 NGC 6809 19 40.0 -31 7 15' Sgr globular cluster highly resolved M056 NGC 6779 19 16.6 +30.2 8 5' Lyr globular cluster highly resolved M057 Ring NGC 6720 18 53.6 +33.0 9.7 80" Lyr planetary nebula ring with central star | | | | | | | | | • |
| M051 Whirlpool NGC 5194 13 29.9 +47.2 8.1 11' Cvn spiral galaxy structure attached companion open cluster dense M052 NGC 7654 23 24.2 +61.6 7 12' Cas open cluster dense M053 NGC 5024 13 12.9 +18.2 8 10' Com globular cluster highly resolved M054 NGC 6715 18 55.1 -30.5 9 6' Sgr globular cluster mottled M055 NGC 6809 19 40.0 -31 7 15' Sgr globular cluster highly resolved M056 NGC 6779 19 16.6 +30.2 8 5' Lyr globular cluster highly resolved M057 Ring NGC 6720 18 53.6 +33.0 9.7 80" Lyr planetary nebula ring with central star | | | | | | | | | |
| M052 NGC 7654 23 24.2 +61.6 7 12' Cas open cluster dense M053 NGC 5024 13 12.9 +18.2 8 10' Com globular cluster highly resolved M054 NGC 6715 18 55.1 -30.5 9 6' Sgr globular cluster mottled M055 NGC 6809 19 40.0 -31 7 15' Sgr globular cluster highly resolved M056 NGC 6779 19 16.6 +30.2 8 5' Lyr globular cluster highly resolved M057 Ring NGC 6720 18 53.6 +33.0 9.7 80" Lyr planetary nebula ring with central star | | | | | | | | | |
| M053 NGC 5024 13 12.9 +18.2 8 10' Com globular cluster highly resolved M054 NGC 6715 18 55.1 -30.5 9 6' Sgr globular cluster mottled M055 NGC 6809 19 40.0 -31 7 15' Sgr globular cluster highly resolved M056 NGC 6779 19 16.6 +30.2 8 5' Lyr globular cluster highly resolved M057 Ring NGC 6720 18 53.6 +33.0 9.7 80" Lyr planetary nebula ring with central star | | Whirlpool | | | | | | | |
| M054 NGC 6715 18 55.1 -30.5 9 6' Sgr globular cluster mottled M055 NGC 6809 19 40.0 -31 7 15' Sgr globular cluster highly resolved M056 NGC 6779 19 16.6 +30.2 8 5' Lyr globular cluster highly resolved M057 Ring NGC 6720 18 53.6 +33.0 9.7 80" Lyr planetary nebula ring with central star | | | | | | | | | |
| M055 NGC 6809 19 40.0 -31 7 15' Sgr globular cluster highly resolved M056 NGC 6779 19 16.6 +30.2 8 5' Lyr globular cluster highly resolved M057 Ring NGC 6720 18 53.6 +33.0 9.7 80" Lyr planetary nebular ring with central star | | | | | | | | | |
| M056 NGC 6779 19 16.6 +30.2 8 5' Lyr globular cluster highly resolved M057 Ring NGC 6720 18 53.6 +33.0 9.7 80" Lyr planetary nebula ring with central star | | | | | | | | | • |
| M057 Ring NGC 6720 18 53.6 +33.0 9.7 80" Lyr planetary nebula ring with central star | | | | | | | | | |
| | | | | | | | | . * | 0 0 1 |
| NGC 4579 12 37.7 +11.8 9.8 5' Vir round galaxy with bright core 19. | | Ring | | | | | | | |
| | IVIU58 | | NGC 4579 | 12 3/./ | +11.8 | 9.8 | 5 | VII | round galaxy with bright core 19. |

| M059 | | NGC 4621 | 12 42.0 | +11.7 | 9.8 | 2' | Vir | elongated galaxy with bright core |
|---|--|---|--|---|---|---|--|--|
| M060 | | NGC 4649 | 12 43.7 | +11.6 | 8.8 | 3.5' | Vir | round galaxy with bright core |
| M061 | | NGC 4303 | 12 21.9 | +04.5 | 9.7 | 5' | Vir | spiral galaxy structure |
| | | | | | | | | |
| M062 | | NGC 6266 | 17 01.2 | -30.1 | 6.5 | 9' | Oph | globular cluster |
| M063 | Sunflower | NGC 5055 | 13 15.8 | +42.0 | 8.6 | 9' | Cvn | elongated galaxy with bright core |
| M064 | Black eye | NGC 4826 | 12 56.7 | +21.7 | 8.6 | 7.5' | Com | elongated galaxy dusty |
| M065 | Leo triplet | NGC 3623 | 11 18.9 | +13.1 | 9.3 | 10' | Leo | very elongated galaxy with bright core |
| M066 | Leo triplet | NGC 3627 | 11 20.2 | +13.0 | 9 | 9' | | |
| | Leo impier | | | | | - | Leo | spiral galaxy structure |
| M067 | | NGC 2682 | 08 50.4 | +11.8 | 7 | 30' | Cnc | open cluster dense |
| M068 | | NGC 4590 | 12 39.5 | -26.8 | 8 | 9' | Hya | globular cluster highly resolved |
| M069 | | NGC 6637 | 18 31.4 | -32.4 | 7.5 | 4' | Sgr | globular cluster |
| M070 | | NGC 6681 | 18 43.2 | -32.3 | 8 | 4' | Sgr | globular cluster |
| M071 | | NGC 6838 | 19 53.8 | +18.8 | 9 | | | S . |
| | | | | | | 6' | Sge | globular cluster highly resolved |
| M072 | | NGC 6981 | 20 53.5 | -12.5 | 8.6 | 3' | Aqr | globular cluster |
| M073 | | NGC 6994 | 20 59.0 | -12.6 | 8.9 | ? | Aqr | asterism |
| M074 | | NGC 628 | 01 36.7 | +15.8 | 9.2 | 10' | Psc | spiral galaxy structure |
| M075 | | NGC 6864 | 20 06.1 | -21.9 | 8 | 3' | Sgr | globular cluster unresolved |
| M076 | little dumbell | NGC 650 | 01 42.4 | +51.6 | | 2' | - | S . |
| | little dumbell | | | | 10.1 | | Per | planetary nebula irregular |
| M077 | | NGC 1068 | 02 42.7 | -0.1 | 8.8 | 7' | Cet | round galaxy with bright core |
| M078 | | NGC 2068 | 05 46.7 | +00.1 | 8 | 8' | Ori | reflection nebula bright |
| M079 | | NGC 1904 | 05 24.5 | -24.6 | 8.4 | 7.5' | Lep | globular cluster highly resolved |
| M080 | | NGC 6093 | 16 17.0 | -23 | 7.2 | 9' | Sco | globular cluster mottled |
| | Dadas nakula | | | | | | | S . |
| M081 | Bodes nebula | NGC 3031 | 09 55.6 | +69.1 | 6.9 | 26' | Uma | spiral galaxy structure |
| M082 | | NGC 3034 | 09 55.8 | +69.7 | 8.4 | 9' | Uma | very elongated galaxy with dust and bright knots |
| M083 | | NGC 5236 | 13 37.0 | -29.9 | 8 | 10' | Hya | barred spiral galaxy structure |
| M084 | | NGC 4374 | 12 25.1 | +12.9 | 9.3 | 4' | Vir | round galaxy with bright core |
| M085 | | NGC 4382 | 12 25.4 | +18.2 | 9.3 | 5' | Com | |
| | | | | | | | | round galaxy with bright core |
| M086 | | NGC 4406 | 12 26.2 | +13.0 | 9.2 | 7' | Vir | round galaxy with bright core |
| M087 | | NGC 4486 | 12 30.8 | +12.4 | 8.6 | 7' | Vir | round galaxy with bright core |
| M088 | | NGC 4501 | 12 32.0 | +14.4 | 9.5 | 6' | Com | very elongated galaxy with bright core |
| M089 | | NGC 4552 | 12 35.7 | +12.6 | 9.8 | 3' | Vir | round galaxy with bright core |
| | | | | | | 9' | | |
| M090 | | NGC 4569 | 12 36.8 | +13.2 | 9.5 | | Vir | very elongated galaxy with bright core |
| M091 | | NGC 4548 | 12 35.4 | +14.5 | 10.2 | 4.5' | Com | elongated galaxy with bright core |
| M092 | | NGC 6341 | 17 17.1 | +43.1 | 6.5 | 8' | Her | globular cluster highly resolved |
| M093 | | NGC 2447 | 07 44.6 | -23.9 | 6.2 | 20' | Pup | open cluster dense |
| M094 | | NGC 4736 | 12 50.9 | +41.1 | 8.2 | 5' | Cvn | elongated galaxy with bright core |
| | | | | | | | | |
| M095 | | NGC 3351 | 10 44.0 | +11.7 | 9.7 | 4' | Leo | barred spiral galaxy structure |
| M096 | | NGC 3368 | 10 46.8 | +11.8 | 9.3 | 6' | Leo | round galaxy with bright core |
| | | | | | | | | |
| M097 | Owl | NGC 3587 | 11 14.8 | +55.0 | 11 | 2.5' | Uma | planetary nebula irregular |
| | Owl | | | | | | | planetary nebula irregular |
| M098 | Owl | NGC 4192 | 12 13.8 | +14.9 | 10 | 8.2' | Com | very elongated galaxy with bright core |
| M098 M099 | Owl | NGC 4192 NGC 4254 | 12 13.8 12 18.8 | +14.9 +14.4 | 10 10 | 8.2' 5' | Com Com | very elongated galaxy with bright core spiral galaxy structure |
| M098 M099 M100 | Owl | NGC 4192 NGC 4254 NGC 4321 | 12 13.8 12 18.8 12 22.9 | +14.9 +14.4 +15.8 | 10 10 9.4 | 8.2' 5' 7' | Com Com Com | very elongated galaxy with bright core spiral galaxy structure round galaxy with bright core |
| M098 M099 | Owl | NGC 4192 NGC 4254 | 12 13.8 12 18.8 | +14.9 +14.4 | 10 10 | 8.2' 5' | Com Com | very elongated galaxy with bright core spiral galaxy structure round galaxy with bright core spiral galaxy structure with bright knots |
| M098 M099 M100 M101 | Owl | NGC 4192 NGC 4254 NGC 4321 NGC 5457 | 12 13.8 12 18.8 12 22.9 14 03.2 | +14.9 +14.4 +15.8 +54.4 | 10 10 9.4 7.8 | 8.2' 5' 7' 20' | Com Com Com Uma | very elongated galaxy with bright core spiral galaxy structure round galaxy with bright core spiral galaxy structure with bright knots |
| M098 M099 M100 M101 M102 | Owl | NGC 4192 NGC 4254 NGC 4321 NGC 5457 NGC 5866 | 12 13.8 12 18.8 12 22.9 14 03.2 15 06.5 | +14.9 +14.4 +15.8 +54.4 +55.8 | 10 10 9.4 7.8 10 | 8.2' 5' 7' 20' 3' | Com Com Com Uma Dra | very elongated galaxy with bright core spiral galaxy structure round galaxy with bright core spiral galaxy structure with bright knots very elongated galaxy dusty with bright core |
| M098 M099 M100 M101 M102 M103 | | NGC 4192 NGC 4254 NGC 4321 NGC 5457 NGC 5866 NGC 581 | 12 13.8 12 18.8 12 22.9 14 03.2 15 06.5 01 33.2 | +14.9 +14.4 +15.8 +54.4 +55.8 +60.7 | 10 10 9.4 7.8 10 7.4 | 8.2' 5' 7' 20' 3' 6' | Com Com Com Uma Dra Cas | very elongated galaxy with bright core spiral galaxy structure round galaxy with bright core spiral galaxy structure with bright knots very elongated galaxy dusty with bright core open cluster rich |
| M098 M099 M100 M101 M102 M103 M104 | Owl | NGC 4192 NGC 4254 NGC 4321 NGC 5457 NGC 5866 NGC 581 NGC 4594 | 12 13.8 12 18.8 12 22.9 14 03.2 15 06.5 01 33.2 12 40.0 | +14.9 +14.4 +15.8 +54.4 +55.8 +60.7 -11.6 | 10 10 9.4 7.8 10 7.4 8.2 | 8.2' 5' 7' 20' 3' 6' 7' | Com Com Uma Dra Cas Vir | very elongated galaxy with bright core spiral galaxy structure round galaxy with bright core spiral galaxy structure with bright knots very elongated galaxy dusty with bright core open cluster rich edge on galaxy dusty |
| M098 M099 M100 M101 M102 M103 M104 M105 | | NGC 4192 NGC 4254 NGC 4321 NGC 5457 NGC 5866 NGC 581 NGC 4594 NGC 3379 | 12 13.8 12 18.8 12 22.9 14 03.2 15 06.5 01 33.2 12 40.0 10 47.8 | +14.9 +14.4 +15.8 +54.4 +55.8 +60.7 -11.6 +12.6 | 10 10 9.4 7.8 10 7.4 8.2 9.3 | 8.2' 5' 7' 20' 3' 6' 7' 4' | Com Com Uma Dra Cas Vir Leo | very elongated galaxy with bright core spiral galaxy structure round galaxy with bright core spiral galaxy structure with bright knots very elongated galaxy dusty with bright core open cluster rich edge on galaxy dusty round galaxy with bright core |
| M098 M099 M100 M101 M102 M103 M104 | | NGC 4192 NGC 4254 NGC 4321 NGC 5457 NGC 5866 NGC 581 NGC 4594 | 12 13.8 12 18.8 12 22.9 14 03.2 15 06.5 01 33.2 12 40.0 | +14.9 +14.4 +15.8 +54.4 +55.8 +60.7 -11.6 | 10 10 9.4 7.8 10 7.4 8.2 | 8.2' 5' 7' 20' 3' 6' 7' | Com Com Uma Dra Cas Vir | very elongated galaxy with bright core spiral galaxy structure round galaxy with bright core spiral galaxy structure with bright knots very elongated galaxy dusty with bright core open cluster rich edge on galaxy dusty |
| M098 M099 M100 M101 M102 M103 M104 M105 M106 | | NGC 4192 NGC 4254 NGC 4321 NGC 5457 NGC 5866 NGC 581 NGC 4594 NGC 3379 NGC 4258 | 12 13.8 12 18.8 12 22.9 14 03.2 15 06.5 01 33.2 12 40.0 10 47.8 12 19.0 | +14.9 +14.4 +15.8 +54.4 +55.8 +60.7 -11.6 +12.6 +47.3 | 10 10 9.4 7.8 10 7.4 8.2 9.3 8.3 | 8.2' 5' 7' 20' 3' 6' 7' 4' 18' | Com Com Uma Dra Cas Vir Leo Cvn | very elongated galaxy with bright core spiral galaxy structure round galaxy with bright core spiral galaxy structure with bright knots very elongated galaxy dusty with bright core open cluster rich edge on galaxy dusty round galaxy with bright core spiral galaxy structure with bright knots |
| M098 M099 M100 M101 M102 M103 M104 M105 M106 M107 | | NGC 4192 NGC 4254 NGC 4321 NGC 5457 NGC 5866 NGC 581 NGC 4594 NGC 3379 NGC 4258 NGC 6171 | 12 13.8 12 18.8 12 22.9 14 03.2 15 06.5 01 33.2 12 40.0 10 47.8 12 19.0 16 32.5 | +14.9 +14.4 +15.8 +54.4 +55.8 +60.7 -11.6 +12.6 +47.3 -13.1 | 10 10 9.4 7.8 10 7.4 8.2 9.3 8.3 9 | 8.2' 5' 7' 20' 3' 6' 7' 4' 18' 7' | Com Com Uma Dra Cas Vir Leo Cvn Oph | very elongated galaxy with bright core spiral galaxy structure round galaxy with bright core spiral galaxy structure with bright knots very elongated galaxy dusty with bright core open cluster rich edge on galaxy dusty round galaxy with bright core spiral galaxy structure with bright knots globular cluster |
| M098 M099 M100 M101 M102 M103 M104 M105 M106 M107 M108 | | NGC 4192 NGC 4254 NGC 4321 NGC 5457 NGC 5866 NGC 581 NGC 4594 NGC 3379 NGC 4258 NGC 6171 NGC 3556 | 12 13.8 12 18.8 12 22.9 14 03.2 15 06.5 01 33.2 12 40.0 10 47.8 12 19.0 16 32.5 11 11.5 | +14.9 +14.4 +15.8 +54.4 +55.8 +60.7 -11.6 +12.6 +47.3 -13.1 +55.7 | 10 10 9.4 7.8 10 7.4 8.2 9.3 8.3 9 | 8.2' 5' 7' 20' 3' 6' 7' 4' 18' 7' 8' | Com Com Uma Dra Cas Vir Leo Cvn Oph Uma | very elongated galaxy with bright core spiral galaxy structure round galaxy with bright core spiral galaxy structure with bright knots very elongated galaxy dusty with bright core open cluster rich edge on galaxy dusty round galaxy with bright core spiral galaxy structure with bright knots globular cluster very elongated galaxy with dust and bright knots |
| M098 M099 M100 M101 M102 M103 M104 M105 M106 M107 M108 M109 | | NGC 4192 NGC 4254 NGC 4321 NGC 5457 NGC 5866 NGC 581 NGC 4594 NGC 3379 NGC 4258 NGC 6171 NGC 3556 NGC 3992 | 12 13.8 12 18.8 12 22.9 14 03.2 15 06.5 01 33.2 12 40.0 10 47.8 12 19.0 16 32.5 11 11.5 11 57.6 | +14.9 +14.4 +15.8 +54.4 +55.8 +60.7 -11.6 +12.6 +47.3 -13.1 +55.7 +53.4 | 10 10 9.4 7.8 10 7.4 8.2 9.3 8.3 9 10.1 9.8 | 8.2' 5' 7' 20' 3' 6' 7' 4' 18' 7' 8' 8' | Com Com Uma Dra Cas Vir Leo Cvn Oph Uma Uma | very elongated galaxy with bright core spiral galaxy structure round galaxy with bright core spiral galaxy structure with bright knots very elongated galaxy dusty with bright core open cluster rich edge on galaxy dusty round galaxy with bright core spiral galaxy structure with bright knots globular cluster very elongated galaxy with dust and bright knots elongated galaxy with bright core |
| M098 M099 M100 M101 M102 M103 M104 M105 M106 M107 M108 | | NGC 4192 NGC 4254 NGC 4321 NGC 5457 NGC 5866 NGC 581 NGC 4594 NGC 3379 NGC 4258 NGC 6171 NGC 3556 | 12 13.8 12 18.8 12 22.9 14 03.2 15 06.5 01 33.2 12 40.0 10 47.8 12 19.0 16 32.5 11 11.5 | +14.9 +14.4 +15.8 +54.4 +55.8 +60.7 -11.6 +12.6 +47.3 -13.1 +55.7 | 10 10 9.4 7.8 10 7.4 8.2 9.3 8.3 9 | 8.2' 5' 7' 20' 3' 6' 7' 4' 18' 7' 8' | Com Com Uma Dra Cas Vir Leo Cvn Oph Uma | very elongated galaxy with bright core spiral galaxy structure round galaxy with bright core spiral galaxy structure with bright knots very elongated galaxy dusty with bright core open cluster rich edge on galaxy dusty round galaxy with bright core spiral galaxy structure with bright knots globular cluster very elongated galaxy with dust and bright knots |
| M098 M099 M100 M101 M102 M103 M104 M105 M106 M107 M108 M109 | sombrero | NGC 4192 NGC 4254 NGC 4321 NGC 5457 NGC 5866 NGC 581 NGC 4594 NGC 3379 NGC 4258 NGC 6157 NGC 3556 NGC 3992 NGC 205 | 12 13.8 12 18.8 12 22.9 14 03.2 15 06.5 01 33.2 12 40.0 10 47.8 12 19.0 16 32.5 11 11.5 11 57.6 | +14.9 +14.4 +15.8 +54.4 +55.8 +60.7 -11.6 +12.6 +47.3 -13.1 +55.7 +53.4 | 10 10 9.4 7.8 10 7.4 8.2 9.3 8.3 9 10.1 9.8 | 8.2' 5' 7' 20' 3' 6' 7' 4' 18' 7' 8' 8' | Com Com Uma Dra Cas Vir Leo Cvn Oph Uma Uma | very elongated galaxy with bright core spiral galaxy structure round galaxy with bright core spiral galaxy structure with bright knots very elongated galaxy dusty with bright core open cluster rich edge on galaxy dusty round galaxy with bright core spiral galaxy structure with bright knots globular cluster very elongated galaxy with dust and bright knots elongated galaxy with bright core |
| M098 M099 M100 M101 M102 M103 M104 M105 M106 M107 M108 M109 | | NGC 4192 NGC 4254 NGC 4321 NGC 5457 NGC 5866 NGC 581 NGC 4594 NGC 3379 NGC 4258 NGC 6157 NGC 3556 NGC 3992 NGC 205 | 12 13.8 12 18.8 12 22.9 14 03.2 15 06.5 01 33.2 12 40.0 10 47.8 12 19.0 16 32.5 11 11.5 11 57.6 | +14.9 +14.4 +15.8 +54.4 +55.8 +60.7 -11.6 +12.6 +47.3 -13.1 +55.7 +53.4 | 10 10 9.4 7.8 10 7.4 8.2 9.3 8.3 9 10.1 9.8 | 8.2' 5' 7' 20' 3' 6' 7' 4' 18' 7' 8' 8' | Com Com Uma Dra Cas Vir Leo Cvn Oph Uma Uma | very elongated galaxy with bright core spiral galaxy structure round galaxy with bright core spiral galaxy structure with bright knots very elongated galaxy dusty with bright core open cluster rich edge on galaxy dusty round galaxy with bright core spiral galaxy structure with bright knots globular cluster very elongated galaxy with dust and bright knots elongated galaxy with bright core |
| M098 M099 M100 M101 M102 M103 M104 M105 M106 M107 M108 M109 M110 | sombrero Star Catal | NGC 4192 NGC 4254 NGC 4321 NGC 5457 NGC 5866 NGC 581 NGC 4594 NGC 3379 NGC 4258 NGC 6171 NGC 3556 NGC 3992 NGC 205 | 12 13.8 12 18.8 12 22.9 14 03.2 15 06.5 01 33.2 12 40.0 10 47.8 12 19.0 16 32.5 11 11.5 11 57.6 00 40.4 | +14.9 +14.4 +15.8 +54.4 +55.8 +60.7 -11.6 +12.6 +47.3 -13.1 +55.7 +53.4 +41.7 | 10 10 9.4 7.8 10 7.4 8.2 9.3 8.3 9 10.1 9.8 8 | 8.2' 5' 7' 20' 3' 6' 7' 4' 18' 7' 8' 8' 17' | Com Com Uma Dra Cas Vir Leo Cvn Oph Uma Uma And | very elongated galaxy with bright core spiral galaxy structure round galaxy with bright core spiral galaxy structure with bright knots very elongated galaxy dusty with bright core open cluster rich edge on galaxy dusty round galaxy with bright core spiral galaxy structure with bright knots globular cluster very elongated galaxy with dust and bright knots elongated galaxy with bright core elongated galaxy |
| M098 M099 M100 M101 M102 M103 M104 M105 M106 M107 M108 M109 M110 | sombrero Star Catal | NGC 4192 NGC 4254 NGC 4321 NGC 5457 NGC 5866 NGC 581 NGC 4594 NGC 3379 NGC 4258 NGC 6157 NGC 3556 NGC 3992 NGC 205 | 12 13.8 12 18.8 12 22.9 14 03.2 15 06.5 01 33.2 12 40.0 10 47.8 12 19.0 16 32.5 11 11.5 11 57.6 | +14.9 +14.4 +15.8 +54.4 +55.8 +60.7 -11.6 +12.6 +47.3 -13.1 +55.7 +53.4 | 10 10 9.4 7.8 10 7.4 8.2 9.3 8.3 9 10.1 9.8 | 8.2' 5' 7' 20' 3' 6' 7' 4' 18' 7' 8' 8' 17' | Com Com Uma Dra Cas Vir Leo Cvn Oph Uma Uma | very elongated galaxy with bright core spiral galaxy structure round galaxy with bright core spiral galaxy structure with bright knots very elongated galaxy dusty with bright core open cluster rich edge on galaxy dusty round galaxy with bright core spiral galaxy structure with bright knots globular cluster very elongated galaxy with dust and bright knots elongated galaxy with bright core |
| M098 M099 M100 M101 M102 M103 M104 M105 M106 M107 M108 M109 M110 | sombrero Star Catal CATALOG NA | NGC 4192 NGC 4254 NGC 4321 NGC 5457 NGC 5866 NGC 581 NGC 4594 NGC 3379 NGC 4258 NGC 6171 NGC 3556 NGC 3992 NGC 205 | 12 13.8 12 18.8 12 22.9 14 03.2 15 06.5 01 33.2 12 40.0 10 47.8 12 19.0 16 32.5 11 11.5 11 57.6 00 40.4 | +14.9 +14.4 +15.8 +54.4 +55.8 +60.7 -11.6 +12.6 +47.3 -13.1 +55.7 +53.4 +41.7 | 10 10 9.4 7.8 10 7.4 8.2 9.3 8.3 9 10.1 9.8 8 | 8.2' 5' 7' 20' 3' 6' 7' 4' 18' 7' 8' 8' 17' | Com Com Com Uma Dra Cas Vir Leo Cvn Oph Uma Uma And | very elongated galaxy with bright core spiral galaxy structure round galaxy with bright core spiral galaxy structure with bright knots very elongated galaxy dusty with bright core open cluster rich edge on galaxy dusty round galaxy with bright core spiral galaxy structure with bright knots globular cluster very elongated galaxy with dust and bright knots elongated galaxy with bright core elongated galaxy with bright core elongated galaxy |
| M098 M099 M100 M101 M102 M103 M104 M105 M106 M107 M108 M109 M110 STAR STO01 | Star Catal CATALOG NA O 254 | NGC 4192 NGC 4254 NGC 4321 NGC 5457 NGC 5866 NGC 581 NGC 4594 NGC 3379 NGC 4258 NGC 6171 NGC 3556 NGC 3992 NGC 205 | 12 13.8 12 18.8 12 22.9 14 03.2 15 06.5 01 33.2 12 40.0 10 47.8 12 19.0 16 32.5 11 11.5 11 57.6 00 40.4 RA 00 01.2 | +14.9 +14.4 +15.8 +54.4 +55.8 +60.7 -11.6 +12.6 +47.3 -13.1 +55.7 +53.4 +41.7 DEC +60 21 | 10 10 9.4 7.8 10 7.4 8.2 9.3 8.3 9 10.1 9.8 8 | 8.2' 5' 7' 20' 3' 6' 7' 4' 18' 7' 8' 8' 17' | Com Com Com Uma Dra Cas Vir Leo Cvn Oph Uma Uma And CON Cas | very elongated galaxy with bright core spiral galaxy structure round galaxy with bright core spiral galaxy structure with bright knots very elongated galaxy dusty with bright core open cluster rich edge on galaxy dusty round galaxy with bright core spiral galaxy structure with bright knots globular cluster very elongated galaxy with dust and bright knots elongated galaxy with bright core elongated galaxy with bright core elongated galaxy DESCRIPTION colored double star |
| M098 M099 M100 M101 M102 M103 M104 M105 M106 M107 M108 M109 M110 STAR STO01 ST002 | Star Catal CATALOG NA O 254 30 | NGC 4192 NGC 4254 NGC 4321 NGC 5457 NGC 5866 NGC 581 NGC 4594 NGC 3379 NGC 4258 NGC 6171 NGC 3556 NGC 3992 NGC 205 | 12 13.8 12 18.8 12 22.9 14 03.2 15 06.5 01 33.2 12 40.0 10 47.8 12 19.0 16 32.5 11 11.5 11 57.6 00 40.4 RA 00 01.2 00 02.0 | +14.9 +14.4 +15.8 +54.4 +55.8 +60.7 -11.6 +12.6 +47.3 -13.1 +55.7 +53.4 +41.7 DEC +60.21 -6 | 10 10 9.4 7.8 10 7.4 8.2 9.3 8.3 9 10.1 9.8 8 | 8.2' 5' 7' 20' 3' 6' 7' 4' 18' 7' 8' 8' 17' | Com Com Com Uma Dra Cas Vir Leo Cvn Oph Uma Uma And CON Cas Psc | very elongated galaxy with bright core spiral galaxy structure round galaxy with bright core spiral galaxy structure with bright knots very elongated galaxy dusty with bright core open cluster rich edge on galaxy dusty round galaxy with bright core spiral galaxy structure with bright knots globular cluster very elongated galaxy with dust and bright knots elongated galaxy with bright core elongated galaxy with bright core elongated galaxy DESCRIPTION colored double star red variable star |
| M098 M099 M100 M101 M102 M103 M104 M105 M106 M107 M108 M109 M110 STAR STO01 ST002 ST003 | Star Catal CATALOG NA O 254 30 3053 | NGC 4192 NGC 4254 NGC 4321 NGC 5457 NGC 5866 NGC 581 NGC 4594 NGC 3379 NGC 4258 NGC 6171 NGC 3556 NGC 3992 NGC 205 | 12 13.8 12 18.8 12 22.9 14 03.2 15 06.5 01 33.2 12 40.0 10 47.8 12 19.0 16 32.5 11 11.5 11 57.6 00 40.4 RA 00 01.2 00 02.0 00 02.6 | +14.9 +14.4 +15.8 +54.4 +55.8 +60.7 -11.6 +12.6 +47.3 -13.1 +55.7 +53.4 +41.7 DEC +60.21 -6 +66.06 | 10 10 9.4 7.8 10 7.4 8.2 9.3 8.3 9 10.1 9.8 8 | 8.2' 5' 7' 20' 3' 6' 7' 4' 18' 7' 8' 8' 17' | Com Com Com Uma Dra Cas Vir Leo Cvn Oph Uma Uma And CON Cas Psc Cas | very elongated galaxy with bright core spiral galaxy structure round galaxy with bright core spiral galaxy structure with bright knots very elongated galaxy dusty with bright core open cluster rich edge on galaxy dusty round galaxy with bright core spiral galaxy structure with bright knots globular cluster very elongated galaxy with dust and bright knots elongated galaxy with bright core elongated galaxy with bright core elongated galaxy DESCRIPTION colored double star red variable star colored double star |
| M098 M099 M100 M101 M102 M103 M104 M105 M106 M107 M108 M109 M110 STAR STO01 ST002 ST003 ST004 | Star Catal CATALOG NA O 254 30 3053 SU | NGC 4192 NGC 4254 NGC 4254 NGC 5457 NGC 5866 NGC 581 NGC 4594 NGC 3379 NGC 4258 NGC 6171 NGC 3556 NGC 3992 NGC 205 | 12 13.8 12 18.8 12 22.9 14 03.2 15 06.5 01 33.2 12 40.0 10 47.8 12 19.0 16 32.5 11 11.5 11 57.6 00 40.4 RA 00 01.2 00 02.0 00 02.6 00 04.6 | +14.9 +14.4 +15.8 +54.4 +55.8 +60.7 -11.6 +12.6 +47.3 -13.1 +55.7 +53.4 +41.7 DEC +60.21 -6 +66.06 +43.5 | 10 10 9.4 7.8 10 7.4 8.2 9.3 8.3 9 10.1 9.8 8 MAG 7.6 4.4 5.9 | 8.2' 5' 7' 20' 3' 6' 7' 4' 18' 7' 8' 8' 17' | Com Com Com Uma Dra Cas Vir Leo Cvn Oph Uma Uma And CON Cas Psc Cas And | very elongated galaxy with bright core spiral galaxy structure round galaxy with bright core spiral galaxy structure with bright knots very elongated galaxy dusty with bright core open cluster rich edge on galaxy dusty round galaxy with bright core spiral galaxy structure with bright knots globular cluster very elongated galaxy with dust and bright knots elongated galaxy with bright core elongated galaxy with bright core elongated galaxy DESCRIPTION colored double star red variable star colored double star red variable star |
| M098 M099 M100 M101 M102 M103 M104 M105 M106 M107 M108 M109 M110 STAR STO01 ST002 ST003 ST004 | Star Catal CATALOG NA O 254 30 3053 | NGC 4192 NGC 4254 NGC 4321 NGC 5457 NGC 5866 NGC 581 NGC 4594 NGC 3379 NGC 4258 NGC 6171 NGC 3556 NGC 3992 NGC 205 | 12 13.8 12 18.8 12 22.9 14 03.2 15 06.5 01 33.2 12 40.0 10 47.8 12 19.0 16 32.5 11 11.5 11 57.6 00 40.4 RA 00 01.2 00 02.0 00 02.6 00 04.6 | +14.9 +14.4 +15.8 +54.4 +55.8 +60.7 -11.6 +12.6 +47.3 -13.1 +55.7 +53.4 +41.7 DEC +60.21 -6 +66.06 | 10 10 9.4 7.8 10 7.4 8.2 9.3 8.3 9 10.1 9.8 8 | 8.2' 5' 7' 20' 3' 6' 7' 4' 18' 7' 8' 8' 17' | Com Com Com Uma Dra Cas Vir Leo Cvn Oph Uma Uma And CON Cas Psc Cas | very elongated galaxy with bright core spiral galaxy structure round galaxy with bright core spiral galaxy structure with bright knots very elongated galaxy dusty with bright core open cluster rich edge on galaxy dusty round galaxy with bright core spiral galaxy structure with bright knots globular cluster very elongated galaxy with dust and bright knots elongated galaxy with bright core elongated galaxy with bright core elongated galaxy DESCRIPTION colored double star red variable star colored double star |
| M098 M099 M100 M101 M102 M103 M104 M105 M106 M107 M108 M109 M110 STAR STO01 ST002 ST003 ST004 ST005 | Star Catal CATALOG NA O 254 30 3053 SU Ced214 | NGC 4192 NGC 4254 NGC 4254 NGC 5457 NGC 5866 NGC 581 NGC 4594 NGC 3379 NGC 4258 NGC 6171 NGC 3556 NGC 3992 NGC 205 | 12 13.8 12 18.8 12 22.9 14 03.2 15 06.5 01 33.2 12 40.0 10 47.8 12 19.0 16 32.5 11 11.5 11 57.6 00 40.4 RA 00 01.2 00 02.0 00 02.6 00 04.6 400 04.7 | +14.9 +14.4 +15.8 +54.4 +55.8 +60.7 -11.6 +12.6 +47.3 -13.1 +55.7 +53.4 +41.7 DEC +60.21 -6 +66.06 +43.5 +67.2 | 10 10 9.4 7.8 10 7.4 8.2 9.3 8.3 9 10.1 9.8 8 MAG 7.6 4.4 5.9 8 7.8 | 8.2' 5' 7' 20' 3' 6' 7' 4' 18' 7' 8' 17' SIZE 59" * 15" * | Com Com Com Uma Dra Cas Vir Leo Cvn Oph Uma Uma And CON Cas Psc Cas And Cep | very elongated galaxy with bright core spiral galaxy structure round galaxy with bright core spiral galaxy structure with bright knots very elongated galaxy dusty with bright core open cluster rich edge on galaxy dusty round galaxy with bright core spiral galaxy structure with bright knots globular cluster very elongated galaxy with dust and bright knots elongated galaxy with bright core elongated galaxy with bright core elongated galaxy DESCRIPTION colored double star red variable star colored double star red variable star emission nebula |
| M098 M099 M100 M101 M102 M103 M104 M105 M106 M107 M108 M109 M110 STAR STO01 STO02 ST003 ST004 ST005 ST006 | Star Catal CATALOG NA O 254 30 3053 SU Ced214 3062 | NGC 4192 NGC 4254 NGC 4254 NGC 4321 NGC 5457 NGC 5866 NGC 581 NGC 4594 NGC 3379 NGC 4258 NGC 6171 NGC 3556 NGC 3992 NGC 205 | 12 13.8 12 18.8 12 22.9 14 03.2 15 06.5 01 33.2 12 40.0 10 47.8 12 19.0 16 32.5 11 11.5 11 57.6 00 40.4 RA 00 01.2 00 02.0 00 02.6 00 04.6 400 04.7 00 06.3 | +14.9 +14.4 +15.8 +54.4 +55.8 +60.7 -11.6 +12.6 +47.3 -13.1 +55.7 +53.4 +41.7 DEC +60.21 -6 +66.06 +43.5 +67.2 +58.4 | 10 10 9.4 7.8 10 7.4 8.2 9.3 8.3 9 10.1 9.8 8 MAG 7.6 4.4 5.9 8 7.8 6.4 | 8.2' 5' 7' 20' 3' 6' 7' 4' 18' 7' 8' 17' SIZE 59" * 15" * | Com Com Com Uma Dra Cas Vir Leo Cvn Oph Uma Uma And CON Cas Psc Cas And Cep Cas | very elongated galaxy with bright core spiral galaxy structure round galaxy with bright core spiral galaxy structure with bright knots very elongated galaxy dusty with bright core open cluster rich edge on galaxy dusty round galaxy with bright core spiral galaxy structure with bright knots globular cluster very elongated galaxy with dust and bright knots elongated galaxy with bright core elongated galaxy with bright core elongated galaxy DESCRIPTION colored double star red variable star colored double star red variable star emission nebula double star challenge |
| M098 M099 M100 M101 M102 M103 M104 M105 M106 M107 M108 M109 M110 STAR STO01 ST002 ST003 ST004 ST005 ST006 ST007 | Star Catal CATALOG NA O 254 30 3053 SU Ced214 3062 Alpheratz | NGC 4192 NGC 4254 NGC 4254 NGC 4321 NGC 5457 NGC 5866 NGC 581 NGC 4594 NGC 3379 NGC 4258 NGC 6171 NGC 3556 NGC 3992 NGC 205 OB AME 30 PSC SU AND Cederblad 214 ADS 61 Alpha And | 12 13.8 12 18.8 12 22.9 14 03.2 15 06.5 01 33.2 12 40.0 10 47.8 12 19.0 16 32.5 11 11.5 11 57.6 00 40.4 RA 00 01.2 00 02.0 00 02.6 00 04.6 400 04.7 00 06.3 00 08.4 | +14.9 +14.4 +15.8 +54.4 +55.8 +60.7 -11.6 +12.6 +47.3 -13.1 +55.7 +53.4 +41.7 DEC +60 21 -6 +66 06 +43.5 +67.2 +58.4 +29 05 | 10 10 9.4 7.8 10 7.4 8.2 9.3 8.3 9 10.1 9.8 8 MAG 7.6 4.4 5.9 8 7.8 6.4 2.1 | 8.2' 5' 7' 20' 3' 6' 7' 4' 18' 7' 8' 8' 17' SIZE 59" * 30' 1.5" * | Com Com Com Uma Dra Cas Vir Leo Cvn Oph Uma Uma And CON Cas Psc Cas And Cep Cas And | very elongated galaxy with bright core spiral galaxy structure round galaxy with bright core spiral galaxy structure with bright knots very elongated galaxy dusty with bright core open cluster rich edge on galaxy dusty round galaxy with bright core spiral galaxy structure with bright knots globular cluster very elongated galaxy with dust and bright knots elongated galaxy with bright core elongated galaxy with bright core elongated galaxy DESCRIPTION colored double star red variable star colored double star red variable star emission nebula double star challenge star |
| M098 M099 M100 M101 M102 M103 M104 M105 M106 M107 M108 M109 M110 STAR STO01 ST002 ST003 ST004 ST005 ST006 ST007 ST008 | Star Catal CATALOG NA O 254 30 3053 SU Ced214 3062 Alpheratz 2 | NGC 4192 NGC 4254 NGC 4254 NGC 4321 NGC 5457 NGC 5866 NGC 581 NGC 4594 NGC 3592 NGC 6171 NGC 3556 NGC 3992 NGC 205 NGC 205 OB AME 30 PSC SU AND Cederblad 214 ADS 61 Alpha And Struve 2 | 12 13.8 12 18.8 12 22.9 14 03.2 15 06.5 01 33.2 12 40.0 10 47.8 12 19.0 16 32.5 11 11.5 11 57.6 00 40.4 RA 00 01.2 00 02.0 00 02.0 00 02.6 00 04.6 400 04.7 00 08.4 00 09.3 | +14.9 +14.4 +15.8 +54.4 +55.8 +60.7 -11.6 +12.6 +47.3 -13.1 +55.7 +53.4 +41.7 DEC +60 21 -6 +66 06 +43.5 +67.2 +58.4 +29 05 +79.7 | 10 10 9.4 7.8 10 7.4 8.2 9.3 8.3 9 10.1 9.8 8 MAG 7.6 4.4 5.9 8 7.8 6.4 2.1 6.6 | 8.2' 5' 7' 20' 3' 6' 7' 4' 18' 7' 8' 8' 17' SIZE 59" * 15" * 0.8" | Com Com Com Uma Dra Cas Vir Leo Cvn Oph Uma Uma And CON Cas Psc Cas And Cep Cas And Cep | very elongated galaxy with bright core spiral galaxy structure round galaxy with bright core spiral galaxy structure with bright knots very elongated galaxy dusty with bright core open cluster rich edge on galaxy dusty round galaxy with bright core spiral galaxy structure with bright knots globular cluster very elongated galaxy with dust and bright knots elongated galaxy with bright core elongated galaxy with bright core elongated galaxy with bright core elongated galaxy DESCRIPTION colored double star red variable star colored double star red variable star emission nebula double star challenge star double star challenge |
| M098 M099 M100 M101 M102 M103 M104 M105 M106 M107 M108 M109 M110 STAR STO01 ST002 ST003 ST004 ST005 ST006 ST007 ST008 ST009 | Star Catal CATALOG NA O 254 30 3053 SU Ced214 3062 Alpheratz 2 Kappa | NGC 4192 NGC 4254 NGC 4254 NGC 4321 NGC 5457 NGC 5866 NGC 581 NGC 4594 NGC 3379 NGC 4258 NGC 6171 NGC 3556 NGC 3992 NGC 205 OB AME 30 PSC SU AND Cederblad 214 ADS 61 Alpha And Struve 2 ß 391 | 12 13.8 12 18.8 12 22.9 14 03.2 15 06.5 01 33.2 12 40.0 10 47.8 12 19.0 16 32.5 11 11.5 11 57.6 00 40.4 RA 00 01.2 00 02.0 00 02.0 00 02.6 00 04.6 400 04.7 00 06.3 00 08.4 00 09.3 00 09.4 | +14.9 +14.4 +15.8 +54.4 +55.8 +60.7 -11.6 +12.6 +47.3 -13.1 +55.7 +53.4 +41.7 DEC +60 21 -6 +66 06 +43.5 +67.2 +58.4 +29 05 +79.7 -28 00 | 10 10 9.4 7.8 10 7.4 8.2 9.3 8.3 9 10.1 9.8 8 MAG 7.6 4.4 5.9 8 7.8 6.4 2.1 6.6 6.2 | 8.2' 5' 7' 20' 3' 6' 7' 4' 18' 7' 8' 8' 17' SIZE 59" * 15" * 0.8" 2" | Com Com Com Uma Dra Cas Vir Leo Cvn Oph Uma Uma And CON Cas Psc Cas And Cep Cas And Cep Scl | very elongated galaxy with bright core spiral galaxy structure round galaxy with bright core spiral galaxy structure with bright knots very elongated galaxy dusty with bright core open cluster rich edge on galaxy dusty round galaxy with bright core spiral galaxy structure with bright knots globular cluster very elongated galaxy with dust and bright knots elongated galaxy with bright core elongated galaxy with bright core elongated galaxy DESCRIPTION colored double star red variable star colored double star red variable star emission nebula double star challenge star |
| M098 M099 M100 M101 M102 M103 M104 M105 M106 M107 M108 M109 M110 STAR STO01 ST002 ST003 ST004 ST005 ST006 ST007 ST008 ST009 | Star Catal CATALOG NA O 254 30 3053 SU Ced214 3062 Alpheratz 2 | NGC 4192 NGC 4254 NGC 4254 NGC 4321 NGC 5457 NGC 5866 NGC 581 NGC 4594 NGC 3592 NGC 6171 NGC 3556 NGC 3992 NGC 205 NGC 205 OB AME 30 PSC SU AND Cederblad 214 ADS 61 Alpha And Struve 2 | 12 13.8 12 18.8 12 22.9 14 03.2 15 06.5 01 33.2 12 40.0 10 47.8 12 19.0 16 32.5 11 11.5 11 57.6 00 40.4 RA 00 01.2 00 02.0 00 02.0 00 02.6 00 04.6 400 04.7 00 06.3 00 08.4 00 09.3 00 09.4 | +14.9 +14.4 +15.8 +54.4 +55.8 +60.7 -11.6 +12.6 +47.3 -13.1 +55.7 +53.4 +41.7 DEC +60 21 -6 +66 06 +43.5 +67.2 +58.4 +29 05 +79.7 | 10 10 9.4 7.8 10 7.4 8.2 9.3 8.3 9 10.1 9.8 8 MAG 7.6 4.4 5.9 8 7.8 6.4 2.1 6.6 | 8.2' 5' 7' 20' 3' 6' 7' 4' 18' 7' 8' 8' 17' SIZE 59" * 15" * 0.8" | Com Com Com Uma Dra Cas Vir Leo Cvn Oph Uma Uma And CON Cas Psc Cas And Cep Cas And Cep | very elongated galaxy with bright core spiral galaxy structure round galaxy with bright core spiral galaxy structure with bright knots very elongated galaxy dusty with bright core open cluster rich edge on galaxy dusty round galaxy with bright core spiral galaxy structure with bright knots globular cluster very elongated galaxy with dust and bright knots elongated galaxy with bright core elongated galaxy with bright core elongated galaxy with bright core elongated galaxy DESCRIPTION colored double star red variable star colored double star red variable star emission nebula double star challenge star double star challenge |
| M098 M099 M100 M101 M102 M103 M104 M105 M106 M107 M108 M109 M110 STAR ST001 ST002 ST003 ST004 ST005 ST006 ST007 ST008 ST009 ST010 | Star Catal CATALOG NA O 254 30 3053 SU Ced214 3062 Alpheratz 2 Kappa Algenib | NGC 4192 NGC 4254 NGC 4254 NGC 4321 NGC 5457 NGC 5866 NGC 581 NGC 4594 NGC 3379 NGC 4258 NGC 6171 NGC 3556 NGC 3992 NGC 205 OS AME 30 PSC SU AND Cederblad 214 ADS 61 Alpha And Struve 2 ß 391 Gamma PEG | 12 13.8 12 18.8 12 22.9 14 03.2 15 06.5 01 33.2 12 40.0 10 47.8 12 19.0 16 32.5 11 11.5 11 57.6 00 40.4 RA 00 01.2 00 02.0 00 02.6 00 04.6 400 04.7 00 06.3 00 08.4 00 09.3 00 09.4 00 13.2 | +14.9 +14.4 +15.8 +54.4 +55.8 +60.7 -11.6 +12.6 +47.3 -13.1 +55.7 +53.4 +41.7 DEC +60 21 -6 +66 06 +43.5 +67.2 +58.4 +29 05 +79.7 -28 00 +15.2 | 10 10 9.4 7.8 10 7.4 8.2 9.3 8.3 9 10.1 9.8 8 MAG 7.6 4.4 5.9 8 7.8 6.4 2.1 6.6 6.2 2.8 | 8.2' 5' 7' 20' 3' 6' 7' 4' 18' 7' 8' 8' 17' SIZE 59" * 15" * 0.8" 2" * | Com Com Com Uma Dra Cas Vir Leo Cvn Oph Uma Uma And CON Cas Psc Cas And Cep Cas And Cep Scl Peg | very elongated galaxy with bright core spiral galaxy structure round galaxy with bright core spiral galaxy structure with bright knots very elongated galaxy dusty with bright core open cluster rich edge on galaxy dusty round galaxy with bright core spiral galaxy structure with bright knots globular cluster very elongated galaxy with dust and bright knots elongated galaxy with bright core elongated galaxy with bright core elongated galaxy DESCRIPTION colored double star red variable star colored double star red variable star emission nebula double star challenge star double star challenge double star challenge double star challenge star |
| M098 M099 M100 M101 M102 M103 M104 M105 M106 M107 M108 M109 M110 STAR STO01 ST002 ST003 ST004 ST005 ST006 ST006 ST007 ST008 ST009 ST010 ST011 | Star Catal CATALOG NA O 254 30 3053 SU Ced214 3062 Alpheratz 2 Kappa Algenib AD | NGC 4192 NGC 4254 NGC 4254 NGC 4321 NGC 5457 NGC 5866 NGC 581 NGC 4594 NGC 3379 NGC 6171 NGC 3556 NGC 3992 NGC 205 OS AME 30 PSC SU AND Cederblad 214 ADS 61 Alpha And Struve 2 ß 391 Gamma PEG AD Cet | 12 13.8 12 18.8 12 22.9 14 03.2 15 06.5 01 33.2 12 40.0 10 47.8 12 19.0 16 32.5 11 11.5 11 57.6 00 40.4 RA 00 01.2 00 02.0 00 02.6 00 04.6 400 04.7 00 06.3 00 09.4 00 09.3 00 09.4 00 13.2 00 14.5 | +14.9 +14.4 +15.8 +54.4 +55.8 +60.7 -11.6 +12.6 +47.3 -13.1 +55.7 +53.4 +41.7 DEC +60 21 -6 +66 06 +43.5 +67.2 +58.4 +29 05 +79.7 -28 00 +15.2 -7.8 | 10 10 9.4 7.8 10 7.4 8.2 9.3 8.3 9 10.1 9.8 8 MAG 7.6 4.4 5.9 8 7.8 6.4 2.1 6.6 6.2 2.8 4.9 | 8.2' 5' 7' 20' 3' 6' 7' 4' 18' 7' 8' 8' 17' SIZE 59" * 15" * 0.8" 2" | Com Com Com Uma Dra Cas Vir Leo Cvn Oph Uma Uma And CON Cas Psc Cas And Cep Scl Peg Cet | very elongated galaxy with bright core spiral galaxy structure round galaxy with bright core spiral galaxy structure with bright knots very elongated galaxy dusty with bright core open cluster rich edge on galaxy dusty round galaxy with bright core spiral galaxy structure with bright knots globular cluster very elongated galaxy with dust and bright knots elongated galaxy with bright core elongated galaxy with bright core elongated galaxy with spight core elongated galaxy with bright knots elongated galaxy with bright knots elongated galaxy with bright knots elongated galaxy with dust and bright knots elongated galaxy with bright core elongated galaxy with dust and bright knots elongated galaxy with bright core elongated galaxy with bright knots elongated galaxy with dust and bright knots elongated galaxy with bright knots elongated galaxy with dust and bright knots elongated galaxy with bright knots elongated galaxy elon |
| M098 M099 M100 M101 M102 M103 M104 M105 M106 M107 M108 M109 M110 STAR STO01 ST002 ST003 ST004 ST005 ST006 ST006 ST007 ST008 ST009 ST010 ST011 ST011 | Star Catal CATALOG NA O 254 30 3053 SU Ced214 3062 Alpheratz 2 Kappa Algenib AD 7 | NGC 4192 NGC 4254 NGC 4254 NGC 4321 NGC 5457 NGC 5866 NGC 581 NGC 4594 NGC 3379 NGC 6171 NGC 3556 NGC 3992 NGC 205 O S AME 30 PSC SU AND Cederblad 214 ADS 61 Alpha And Struve 2 ß 391 Gamma PEG AD Cet 7 CET | 12 13.8 12 18.8 12 22.9 14 03.2 15 06.5 01 33.2 12 40.0 10 47.8 12 19.0 16 32.5 11 11.5 11 57.6 00 40.4 RA 00 01.2 00 02.0 00 02.0 00 04.6 400 04.7 00 06.3 00 08.4 00 09.3 00 09.4 00 13.2 00 14.5 00 14.6 | +14.9 +14.4 +15.8 +54.4 +55.8 +60.7 -11.6 +12.6 +47.3 -13.1 +55.7 +53.4 +41.7 DEC +60 21 -6 +66 06 +43.5 +67.2 +58.4 +29 05 +79.7 -28 00 +15.2 -7.8 -18.9 | 10 10 9.4 7.8 10 7.4 8.2 9.3 8.3 9 10.1 9.8 8 MAG 7.6 4.4 5.9 8 7.8 6.4 2.1 6.6 6.2 2.8 4.9 4.4 | 8.2' 5' 7' 20' 3' 6' 7' 4' 18' 7' 8' 8' 17' SIZE 59" * 15" * 0.8" 2" * 1.5° * | Com Com Com Uma Dra Cas Vir Leo Cvn Oph Uma Uma And CON Cas Psc Cas And Cep Scl Peg Cet Cet | very elongated galaxy with bright core spiral galaxy structure round galaxy with bright core spiral galaxy structure with bright knots very elongated galaxy dusty with bright core open cluster rich edge on galaxy dusty round galaxy with bright core spiral galaxy structure with bright knots globular cluster very elongated galaxy with dust and bright knots elongated galaxy with bright core elongated galaxy with bright core elongated galaxy with spight core elongated galaxy with bright core elongated galaxy. |
| M098 M099 M100 M101 M102 M103 M104 M105 M106 M107 M108 M109 M110 STAR ST001 ST002 ST003 ST004 ST005 ST006 ST006 ST007 ST008 ST009 ST010 ST011 ST011 ST012 ST011 ST012 ST011 | Star Catal CATALOG NA O 254 30 3053 SU Ced214 3062 Alpheratz 2 Kappa Algenib AD 7 35 Psc | NGC 4192 NGC 4254 NGC 4254 NGC 4321 NGC 5457 NGC 5866 NGC 581 NGC 4594 NGC 3379 NGC 6171 NGC 3556 NGC 3992 NGC 205 O S AME 30 PSC SU AND Cederblad 214 ADS 61 Alpha And Struve 2 ß 391 Gamma PEG AD Cet 7 CET 12, UU Psc | 12 13.8 12 18.8 12 22.9 14 03.2 15 06.5 01 33.2 12 40.0 10 47.8 12 19.0 16 32.5 11 11.5 11 57.6 00 40.4 RA 00 01.2 00 02.0 00 02.0 00 04.6 400 04.7 00 06.3 00 08.4 00 09.3 00 09.4 00 13.2 00 14.5 00 14.6 00 15.0 | +14.9 +14.4 +15.8 +54.4 +55.8 +60.7 -11.6 +12.6 +47.3 -13.1 +55.7 +53.4 +41.7 DEC +60 21 -6 +66 06 +43.5 +67.2 +58.4 +29 05 +79.7 -28 00 +15.2 -7.8 -18.9 +08 49 | 10 10 9.4 7.8 10 7.4 8.2 9.3 8.3 9 10.1 9.8 8 MAG 7.6 4.4 5.9 8 6.4 2.1 6.6 6.2 2.8 4.9 4.4 5.8 | 8.2' 5' 7' 20' 3' 6' 7' 4' 18' 7' 8' 8' 17' SIZE 59" * 15" * 0.8" 2" * | Com Com Com Com Uma Dra Cas Vir Leo Cvn Oph Uma Uma And CON Cas Psc Cas And Cep Cas And Cep Cas Cet Cet Psc | very elongated galaxy with bright core spiral galaxy structure round galaxy with bright core spiral galaxy structure with bright knots very elongated galaxy dusty with bright core open cluster rich edge on galaxy dusty round galaxy with bright core spiral galaxy structure with bright knots globular cluster very elongated galaxy with dust and bright knots elongated galaxy with bright core elongated galaxy with bright core elongated galaxy with spight core elongated galaxy with bright core elongated galaxy with bright core elongated galaxy DESCRIPTION colored double star red variable star emission nebula double star challenge star double star challenge double star challenge star red variable star colored double star challenge star |
| M098 M099 M100 M101 M102 M103 M104 M105 M106 M107 M108 M109 M110 STAR ST001 ST002 ST003 ST004 ST005 ST006 ST007 ST008 ST009 ST010 ST011 ST011 ST011 ST012 ST013 ST014 | Star Catal CATALOG NA O 254 30 3053 SU Ced214 3062 Alpheratz 2 Kappa Algenib AD 7 35 Psc S | NGC 4192 NGC 4254 NGC 4254 NGC 4321 NGC 5457 NGC 5866 NGC 581 NGC 4594 NGC 3379 NGC 4258 NGC 6171 NGC 3556 NGC 3992 NGC 205 OS AME 30 PSC SU AND Cederblad 214 ADS 61 Alpha And Struve 2 ß 391 Gamma PEG AD Cet 7 CET 12, UU Psc S SCL | 12 13.8 12 18.8 12 22.9 14 03.2 15 06.5 01 33.2 12 40.0 10 47.8 12 19.0 16 32.5 11 11.5 11 57.6 00 40.4 RA 00 01.2 00 02.0 00 02.6 00 04.6 400 04.7 00 06.3 00 08.4 00 09.4 00 09.4 00 13.2 00 14.5 00 15.0 00 15.4 | +14.9 +14.4 +15.8 +54.4 +55.8 +60.7 -11.6 +12.6 +47.3 -13.1 +55.7 +53.4 +41.7 DEC +60 21 -6 +66 06 +43.5 +67.2 +58.4 +29 05 +79.7 -28 00 +15.2 -7.8 -18.9 +08 49 -32.1 | 10 10 9.4 7.8 10 7.4 8.2 9.3 8.3 9 10.1 9.8 8 MAG 7.6 4.4 5.9 8 6.4 2.1 6.6 6.2 2.8 4.9 4.4 5.5 | 8.2' 5' 7' 20' 3' 6' 7' 4' 18' 7' 8' 8' 17' SIZE 59" * 1.5" * 0.8" 2" * 1.5° * 12" * | Com Com Com Com Uma Dra Cas Vir Leo Cvn Oph Uma Uma And CON Cas Psc Cas And Cep Cas And Cep Cas And Cep Cas | very elongated galaxy with bright core spiral galaxy structure round galaxy with bright core spiral galaxy structure with bright knots very elongated galaxy dusty with bright core open cluster rich edge on galaxy dusty round galaxy with bright core spiral galaxy structure with bright knots globular cluster very elongated galaxy with dust and bright knots elongated galaxy with bright core elongated galaxy with bright core elongated galaxy with spight core elongated galaxy with bright knots elongated galaxy with bright knots elongated galaxy with bright knots elongated galaxy with dust and bright knots elongated galaxy with dust and bright knots elongated galaxy with bright core elongated galaxy with bright core spiral galaxy structure with bright knots elongated galaxy with bright knots elongated galaxy with dust and bright knots elongated galaxy elo |
| M098 M099 M100 M101 M102 M103 M104 M105 M106 M107 M108 M109 M110 STAR ST001 ST002 ST003 ST004 ST005 ST006 ST006 ST007 ST008 ST009 ST010 ST011 ST011 ST012 ST011 ST012 ST011 | Star Catal CATALOG NA O 254 30 3053 SU Ced214 3062 Alpheratz 2 Kappa Algenib AD 7 35 Psc S | NGC 4192 NGC 4254 NGC 4254 NGC 4321 NGC 5457 NGC 5866 NGC 581 NGC 4594 NGC 3379 NGC 6171 NGC 3556 NGC 3992 NGC 205 O S AME 30 PSC SU AND Cederblad 214 ADS 61 Alpha And Struve 2 ß 391 Gamma PEG AD Cet 7 CET 12, UU Psc | 12 13.8 12 18.8 12 22.9 14 03.2 15 06.5 01 33.2 12 40.0 10 47.8 12 19.0 16 32.5 11 11.5 11 57.6 00 40.4 RA 00 01.2 00 02.0 00 02.0 00 04.6 400 04.7 00 06.3 00 08.4 00 09.3 00 09.4 00 13.2 00 14.5 00 14.6 00 15.0 | +14.9 +14.4 +15.8 +54.4 +55.8 +60.7 -11.6 +12.6 +47.3 -13.1 +55.7 +53.4 +41.7 DEC +60 21 -6 +66 06 +43.5 +67.2 +58.4 +29 05 +79.7 -28 00 +15.2 -7.8 -18.9 +08 49 | 10 10 9.4 7.8 10 7.4 8.2 9.3 8.3 9 10.1 9.8 8 MAG 7.6 4.4 5.9 8 6.4 2.1 6.6 6.2 2.8 4.9 4.4 5.8 | 8.2' 5' 7' 20' 3' 6' 7' 4' 18' 7' 8' 8' 17' SIZE 59" * 15" * 0.8" 2" * 1.5° * | Com Com Com Com Uma Dra Cas Vir Leo Cvn Oph Uma Uma And CON Cas Psc Cas And Cep Cas And Cep Cas Cet Cet Psc | very elongated galaxy with bright core spiral galaxy structure round galaxy with bright core spiral galaxy structure with bright knots very elongated galaxy dusty with bright core open cluster rich edge on galaxy dusty round galaxy with bright core spiral galaxy structure with bright knots globular cluster very elongated galaxy with dust and bright knots elongated galaxy with bright core elongated galaxy with bright core elongated galaxy with spight core elongated galaxy with bright core elongated galaxy with bright core elongated galaxy DESCRIPTION colored double star red variable star emission nebula double star challenge star double star challenge double star challenge star red variable star colored double star challenge star |
| M098 M099 M100 M101 M102 M103 M104 M105 M106 M107 M108 M109 M110 STAR ST001 ST002 ST003 ST004 ST005 ST006 ST007 ST008 ST009 ST010 ST011 ST011 ST011 ST011 ST012 ST013 ST014 ST014 ST015 | Star Catal CATALOG NA O 254 30 3053 SU Ced214 3062 Alpheratz 2 Kappa Algenib AD 7 35 Psc S 13 | NGC 4192 NGC 4254 NGC 4254 NGC 4321 NGC 5457 NGC 5866 NGC 581 NGC 4594 NGC 3379 NGC 4258 NGC 6171 NGC 3556 NGC 3992 NGC 205 OG SU AND Cederblad 214 ADS 61 Alpha And Struve 2 ß 391 Gamma PEG AD Cet 7 CET 12, UU Psc S SCL Struve 13 | 12 13.8 12 18.8 12 22.9 14 03.2 15 06.5 01 33.2 12 40.0 10 47.8 12 19.0 16 32.5 11 11.5 11 57.6 00 40.4 RA 00 01.2 00 02.0 00 02.6 00 04.6 400 04.7 00 06.3 00 08.4 00 09.3 00 09.4 00 13.2 00 14.5 00 15.0 00 15.4 00 16.2 | +14.9 +14.4 +15.8 +54.4 +55.8 +60.7 -11.6 +12.6 +47.3 -13.1 +55.7 +53.4 +41.7 DEC +60 21 -6 +66 06 +43.5 +67.2 +58.4 +29 05 +79.7 -28 00 +15.2 -7.8 -18.9 +08 49 -32.1 +76.9 | 10 10 9.4 7.8 10 7.4 8.2 9.3 8.3 9 10.1 9.8 8 MAG 7.6 4.4 5.9 8 7.8 6.4 2.1 6.6 6.2 2.8 4.4 5.8 5.5 7 | 8.2' 5' 7' 20' 3' 6' 7' 4' 18' 7' 8' 8' 17' SIZE 59" * 1.5" * 0.8" 2" * 1.5° * 12" * | Com Com Com Com Uma Dra Cas Vir Leo Cvn Oph Uma And CON Cas Psc Cas And Cep Cas And Cep Cas And Cep Cas Cep Cet Cet Cet Cet Cep Cep | very elongated galaxy with bright core spiral galaxy structure round galaxy with bright core spiral galaxy structure with bright knots very elongated galaxy dusty with bright core open cluster rich edge on galaxy dusty round galaxy with bright core spiral galaxy structure with bright knots globular cluster very elongated galaxy with dust and bright knots elongated galaxy with bright core elongated galaxy with bright knots elongated galaxy with bright knots elongated galaxy with dust and bright knots elongated galaxy with galaxy with galaxy elongated |
| M098 M099 M100 M101 M102 M103 M104 M105 M106 M107 M108 M109 M110 STAR ST001 ST002 ST003 ST004 ST005 ST006 ST007 ST008 ST009 ST010 ST011 ST011 ST011 ST011 ST012 ST013 ST014 ST015 ST014 ST015 ST016 | Star Catal CATALOG NA O 254 30 3053 SU Ced214 3062 Alpheratz 2 Kappa Algenib AD 7 35 Psc S 13 ST | NGC 4192 NGC 4254 NGC 4254 NGC 4321 NGC 5457 NGC 5866 NGC 581 NGC 4594 NGC 3379 NGC 4258 NGC 6171 NGC 3556 NGC 3992 NGC 205 O S AME 30 PSC SU AND Cederblad 214 ADS 61 Alpha And Struve 2 ß 391 Gamma PEG AD Cet 7 CET 12, UU Psc S SCL Struve 13 ST CAS | 12 13.8 12 18.8 12 18.8 12 22.9 14 03.2 15 06.5 01 33.2 12 40.0 10 47.8 12 19.0 16 32.5 11 11.5 11 57.6 00 40.4 RA 00 01.2 00 02.0 00 02.0 00 02.6 00 04.6 400 04.7 00 06.3 00 08.4 00 09.3 00 09.4 00 13.2 00 14.5 00 14.6 00 15.0 00 15.4 00 16.2 00 17.6 | +14.9 +14.4 +15.8 +54.4 +55.8 +60.7 -11.6 +12.6 +47.3 -13.1 +55.7 +53.4 +41.7 DEC +60 21 -6 +66 06 +43.5 +67.2 +58.4 +29 05 +79.7 -28 00 +15.2 -7.8 -18.9 +08 49 -32.1 +76.9 +50.3 | 10 10 9.4 7.8 10 7.4 8.2 9.3 8.3 9 10.1 9.8 8 MAG 7.6 4.4 5.9 8 6.4 2.1 6.6 6.2 2.8 4.4 5.8 5.5 7 | 8.2' 5' 7' 20' 3' 6' 7' 4' 18' 7' 8' 8' 17' SIZE 59" * 15" * 0.8" 2" * 1.5° * 1.5° * 1.5° * 0.9" * | Com Com Com Com Uma Dra Cas Vir Leo Cvn Oph Uma And CON Cas Psc Cas And Cep Cas And Cep Cas And Cep Cas Cect Cet Cet Cet Cet Cect Cect Cect Cec | very elongated galaxy with bright core spiral galaxy structure round galaxy with bright core spiral galaxy structure with bright knots very elongated galaxy dusty with bright core open cluster rich edge on galaxy dusty round galaxy with bright core spiral galaxy structure with bright knots globular cluster very elongated galaxy with dust and bright knots elongated galaxy with bright core elongated galaxy with bright core elongated galaxy with bright core elongated double star red variable star colored double star red variable star emission nebula double star challenge star double star challenge star red variable star challenge star red variable star colored double star challenge star variable star double star challenge red variable star |
| M098 M099 M100 M101 M102 M103 M104 M105 M106 M107 M108 M109 M110 STAR ST001 ST002 ST003 ST004 ST005 ST006 ST007 ST008 ST009 ST010 ST011 ST011 ST011 ST011 ST012 ST013 ST014 ST015 ST014 ST015 ST016 | Star Catal CATALOG NA O 254 30 3053 SU Ced214 3062 Alpheratz 2 Kappa Algenib AD 7 35 Psc S 13 ST Groombridge34 | NGC 4192 NGC 4254 NGC 4254 NGC 4321 NGC 5457 NGC 5866 NGC 581 NGC 4594 NGC 3379 NGC 4258 NGC 6171 NGC 3556 NGC 3992 NGC 205 OG SU AND Cederblad 214 ADS 61 Alpha And Struve 2 ß 391 Gamma PEG AD Cet 7 CET 12, UU Psc S SCL Struve 13 | 12 13.8 12 18.8 12 18.8 12 22.9 14 03.2 15 06.5 01 33.2 12 40.0 10 47.8 12 19.0 16 32.5 11 11.5 11 57.6 00 40.4 RA 00 01.2 00 02.0 00 02.0 00 02.6 00 04.6 400 04.7 00 06.3 00 08.4 00 09.3 00 09.4 00 13.2 00 14.5 00 14.6 00 15.0 00 15.4 00 16.2 00 17.6 | +14.9 +14.4 +15.8 +54.4 +55.8 +60.7 -11.6 +12.6 +47.3 -13.1 +55.7 +53.4 +41.7 DEC +60 21 -6 +66 06 +43.5 +67.2 +58.4 +29 05 +79.7 -28 00 +15.2 -7.8 -18.9 +08 49 -32.1 +76.9 | 10 10 9.4 7.8 10 7.4 8.2 9.3 8.3 9 10.1 9.8 8 MAG 7.6 4.4 5.9 8 7.8 6.4 2.1 6.6 6.2 2.8 4.4 5.8 5.5 7 | 8.2' 5' 7' 20' 3' 6' 7' 4' 18' 7' 8' 8' 17' SIZE 59" * 1.5" * 0.8" 2" * 1.5° * 12" * | Com Com Com Com Uma Dra Cas Vir Leo Cvn Oph Uma And CON Cas Psc Cas And Cep Cas And Cep Cas And Cep Cas Cep Cet Cet Cet Cet Cep Cep | very elongated galaxy with bright core spiral galaxy structure round galaxy with bright core spiral galaxy structure with bright knots very elongated galaxy dusty with bright core open cluster rich edge on galaxy dusty round galaxy with bright core spiral galaxy structure with bright knots globular cluster very elongated galaxy with dust and bright knots elongated galaxy with bright core elongated galaxy with bright knots elongated galaxy with bright knots elongated galaxy with dust and bright knots elongated galaxy with galaxy with galaxy elongated |

20.

| ST019 lota | Iota CET | 00 19.4 | -8.8 | 3.5 | * | Cet | star |
|---|---|---|--|--|--|---|---|
| ST020 VX | VX AND | 00 19.9 | +44.7 | 8 | * | And | star |
| ST021 R | VXXXIII | 00 13.3 | +38 35 | 5.8 | Ctallar | And | |
| | | | | | Stellar | | variable star |
| ST022 30 | | 00 27.2 | +49 59 | 6.9 | 15" | Cas | double star |
| ST023 AQ | AQ AND | 00 27.6 | +35.6 | 6.9 | * | And | red variable star |
| ST024 Beta | Beta TUC | 00 31.5 | -63 | 4.4 | 27" | Tuc | double star |
| ST025 36 | Struve 36 | 00 32.4 | +06.9 | 5.7 | 28" | Psc | double star |
| ST026 Zeta | Zeta CAS | 00 37.0 | +53.9 | 3.7 | * | Cas | star |
| | | | | | * | | |
| ST027 Delta | Delta AND | 00 39.3 | +30.9 | 3.3 | | And | star |
| ST028 55 | | 00 39.9 | +21 26 | 5.4 | 6" | Psc | colored double star |
| ST029 Schedar | Alpha CAS | 00 40.5 | +56.5 | 2.2 | * | Cas | star |
| ST030 O 18 | ADS 588 | 00 42.4 | +04.2 | 7.8 | 1.5" | Psc | double star challenge |
| ST031 HN | HN 122 | 00 45.7 | +75.0 | 5.7 | 36" | Cas | double star |
| ST032 Delta | Delta PSC | 00 48.7 | +07.6 | 4.4 | * | Psc | star |
| | Della I SC | | | | | | |
| ST033 Eta | | 00 49.1 | +57 49 | 3.4 | 12" | Cas | colored double star |
| ST034 65 | 65 PSC | 00 49.9 | +27.7 | 6.3 | 4.4" | Psc | colored double star |
| ST035 Do13 | Dolidze 13 | 00 50.0 | +64.1 | 11 | 13' | Cas | scattered group of stars |
| ST036 Lambda1 | Lambda1 TU | 200 52.4 | -69.5 | 6.5 | 21" | Tuc | double star |
| ST037 36 | 36 AND | 00 55.0 | +23.6 | 6 | 0.8" | And | double star challenge |
| ST038 Navi | Gamma CAS | | +60.7 | 2.5 | * | Cas | star |
| | Gairiiria CAS | | | | | | |
| ST039 80 | | 00 59.4 | +00 47 | 8.4 | 26" | Cet | double star equal magnitude |
| ST040 79 | | 01 00.1 | +44 43 | 6 | 8" | And | double star equal magnitude |
| ST041 U | | 01 02.3 | +81 51 | 6.8 | Stellar | Сер | variable star |
| ST042 Psi-1 | 88, 74 Psc | 01 05.6 | +21 28 | 5.3 | 30" | Psc | double star equal magnitude |
| ST043 77 | 90 | 01 05.8 | +04 55 | 6.8 | 33" | Psc | double star |
| ST044 Zeta | Zeta PHE | 01 03.0 | -55.3 | 3.9 | 6.4" | Phe | |
| | | | | | | | double star |
| ST045 Eta | Eta CET | 01 08.6 | -10.2 | 3.5 | * | Cet | star |
| ST046 Lux Lydiae | Lux Lydiae | 01 08.7 | +86.3 | 4.3 | * | Сер | star |
| ST047 Mirach | Beta AND | 01 09.7 | +35.6 | 2 | * | And | star |
| ST048 Zeta | Zeta PSC | 01 13.7 | +07.6 | 5.6 | 23" | Psc | double star |
| ST049 Kappa | | 01 15.7 | -68.9 | 5.1 | 5.4" | Tuc | |
| | Kappa TUC | | | | 3.4 * | | double star |
| ST050 Z | Z PSC | 01 16.2 | +25.8 | 8.8 | | Psc | star |
| ST051 42 | 113 | 01 19.8 | -00 31 | 6.4 | 1.6" | Cet | double star challenge |
| ST052 Psi | Psi CAS | 01 25.9 | +68.1 | 4.7 | 25" | Cas | double star magnitude contrast |
| ST053 R | R SCL | 01 27.0 | -32.5 | 6.1 | * | Scl | variable star |
| ST054 Gamma | Gamma PHE | | -43.3 | 3.4 | 4' | Phe | star |
| ST055 Achernar | | 01 37.7 | -57 14 | 0.5 | * | Eri | |
| | Alpha Eri | | | | * | | star |
| ST056 51 | 51 AND | 01 38.0 | +48.6 | 3.6 | | And | star |
| ST057 UV | UV CET | 01 38.8 | -18 | 7 | * | Cet | variable star |
| ST058 p | p ERI | 01 39.8 | -56.2 | 5.8 | 11.5" | Eri | double star |
| ST059 Nu | Nu PSC | 01 41.4 | +05.5 | 4.4 | * | Psc | star |
| ST060 44 | 44 CAS | 01 43.3 | +60.6 | 5.8 | 1.6" | Cas | double star |
| | | | | | * | | |
| ST061 Phi | Phi PER | 01 43.7 | +50.7 | 4.1 | | Per | star |
| ST062 162 | | 01 49.3 | +47 54 | 5.8 | 2" | Per | triple star challenge |
| ST063 1 | 1 ARI | 01 50.1 | +22.3 | 6 | 2.6" | Ari | double star |
| ST064 163 | | 01 51.3 | +64 51 | 6.6 | 35" | Cas | colored double star |
| ST065 Zeta | Zeta CET | 01 51.5 | -10.3 | 3.7 | 3' | Cet | double star |
| ST066 178 | | 01 52.0 | +10 48 | 8.5 | 3" | Ari | |
| ST067 Gamma | Gamma ARI | | 110 70 | 0.5 | | | double star equal magnitude |
| | | | 1102 | 1 5 | O" | | double star equal magnitude |
| | | 01 53.5 | +19.3 | 4.5 | 8" | Ari | double star equal magnitude |
| ST068 Psi | Psi PHE | 01 53.6 | -46.3 | 4.4 | 5° | Ari Phe | double star equal magnitude red variable star |
| | | | | | | Ari | double star equal magnitude |
| ST068 Psi | Psi PHE | 01 53.6 | -46.3 | 4.4 | 5° | Ari Phe | double star equal magnitude red variable star star |
| ST068 Psi ST069 Epsilon ST070 186 | Psi PHE Epsilon CAS Struve 186 | 01 53.6 01 54.4 01 55.9 | -46.3 +63.7 +01.9 | 4.4 3.4 6.8 | 5° * 1" | Ari Phe Cas Cet | double star equal magnitude red variable star star double star challenge |
| ST068 Psi ST069 Epsilon ST070 186 ST071 56 | Psi PHE Epsilon CAS Struve 186 56 AND | 01 53.6 01 54.4 01 55.9 01 56.2 | -46.3 +63.7 +01.9 +37.3 | 4.4 3.4 6.8 5.7 | 5° * 1" 3' | Ari Phe Cas Cet And | double star equal magnitude red variable star star double star challenge double star |
| ST068 Psi ST069 Epsilon ST070 186 ST071 56 ST072 Lambda | Psi PHE Epsilon CAS Struve 186 56 AND Lambda ARI | 01 53.6 01 54.4 01 55.9 01 56.2 01 57.9 | -46.3 +63.7 +01.9 +37.3 +23.6 | 4.4 3.4 6.8 5.7 4.8 | 5° 1" 3' 37" | Ari Phe Cas Cet And Ari | double star equal magnitude red variable star star double star challenge double star double star |
| ST068 Psi ST069 Epsilon ST070 186 ST071 56 ST072 Lambda ST073 Upsilon | Psi PHE Epsilon CAS Struve 186 56 AND Lambda ARI Upsilon CET | 01 53.6 01 54.4 01 55.9 01 56.2 01 57.9 02 00.0 | -46.3 +63.7 +01.9 +37.3 +23.6 -21.1 | 4.4 3.4 6.8 5.7 4.8 | 5° 1" 3' 37" | Ari Phe Cas Cet And Ari Cet | double star equal magnitude red variable star star double star challenge double star double star star |
| ST068 Psi ST069 Epsilon ST070 186 ST071 56 ST072 Lambda ST073 Upsilon ST074 Alpha | Psi PHE Epsilon CAS Struve 186 56 AND Lambda ARI Upsilon CET Alpha PSC | 01 53.6 01 54.4 01 55.9 01 56.2 01 57.9 02 00.0 02 02.0 | -46.3 +63.7 +01.9 +37.3 +23.6 -21.1 +02.8 | 4.4 3.4 6.8 5.7 4.8 4 | 5° * 1" 3' 37" * 1.6" | Ari Phe Cas Cet And Ari Cet Psc | double star equal magnitude red variable star star double star challenge double star double star star double star challenge |
| ST068 Psi ST069 Epsilon ST070 186 ST071 56 ST072 Lambda ST073 Upsilon | Psi PHE Epsilon CAS Struve 186 56 AND Lambda ARI Upsilon CET | 01 53.6 01 54.4 01 55.9 01 56.2 01 57.9 02 00.0 02 02.0 | -46.3 +63.7 +01.9 +37.3 +23.6 -21.1 | 4.4 3.4 6.8 5.7 4.8 | 5° * 1" 3' 37" * 1.6" 10" | Ari Phe Cas Cet And Ari Cet | double star equal magnitude red variable star star double star challenge double star double star star |
| ST068 Psi ST069 Epsilon ST070 186 ST071 56 ST072 Lambda ST073 Upsilon ST074 Alpha | Psi PHE Epsilon CAS Struve 186 56 AND Lambda ARI Upsilon CET Alpha PSC | 01 53.6 01 54.4 01 55.9 01 56.2 01 57.9 02 00.0 02 02.0 | -46.3 +63.7 +01.9 +37.3 +23.6 -21.1 +02.8 | 4.4 3.4 6.8 5.7 4.8 4 | 5° * 1" 3' 37" * 1.6" | Ari Phe Cas Cet And Ari Cet Psc | double star equal magnitude red variable star star double star challenge double star double star star double star challenge |
| ST068 Psi ST069 Epsilon ST070 186 ST071 56 ST072 Lambda ST073 Upsilon ST074 Alpha ST075 Almach ST076 Hamal | Psi PHE Epsilon CAS Struve 186 56 AND Lambda ARI Upsilon CET Alpha PSC Gamma AND | 01 53.6 01 54.4 01 55.9 01 56.2 01 57.9 02 00.0 02 02.0 02 03.9 02 07.2 | -46.3 +63.7 +01.9 +37.3 +23.6 -21.1 +02.8 +42.3 +23.5 | 4.4 3.4 6.8 5.7 4.8 4 4 2.2 2 | 5° 1" 3' 37" * 1.6" 10" | Ari Phe Cas Cet And Ari Cet Psc And Ari | double star equal magnitude red variable star star double star challenge double star double star star double star star double star challenge colored double star star |
| ST068 Psi ST069 Epsilon ST070 186 ST071 56 ST072 Lambda ST073 Upsilon ST074 Alpha ST075 Almach ST076 Hamal ST077 59 And | Psi PHE Epsilon CAS Struve 186 56 AND Lambda ARI Upsilon CET Alpha PSC Gamma AND Alpha ARI | 01 53.6 01 54.4 01 55.9 01 56.2 01 57.9 02 00.0 02 02.0 02 03.9 02 07.2 02 10.9 | -46.3 +63.7 +01.9 +37.3 +23.6 -21.1 +02.8 +42.3 +23.5 +39.02 | 4.4 3.4 6.8 5.7 4.8 4 4 2.2 2 5.6 | 5° 1" 3' 37" * 1.6" 10" * | Ari Phe Cas Cet And Ari Cet Psc And Ari Ari And | double star equal magnitude red variable star star double star challenge double star double star star double star star double star challenge colored double star star colored double star |
| ST068 Psi ST069 Epsilon ST070 186 ST071 56 ST072 Lambda ST073 Upsilon ST074 Alpha ST075 Almach ST076 Hamal ST077 59 And ST078 lota | Psi PHE Epsilon CAS Struve 186 56 AND Lambda ARI Upsilon CET Alpha PSC Gamma AND Alpha ARI | 01 53.6 01 54.4 01 55.9 01 56.2 01 57.9 02 00.0 02 02.0 02 03.9 02 07.2 02 10.9 02 12.4 | -46.3 +63.7 +01.9 +37.3 +23.6 -21.1 +02.8 +42.3 +23.5 +39.02 +30.3 | 4.4 3.4 6.8 5.7 4.8 4 4 2.2 2 5.6 5 | 5° * 1" 3' 37" * 1.6" 10" * 16" 3.8" | Ari Phe Cas Cet And Ari Cet Psc And Ari Ari Ari Ari Tri | double star equal magnitude red variable star star double star challenge double star double star star double star star double star challenge colored double star star colored double star colored double star |
| ST068 Psi ST069 Epsilon ST070 186 ST071 56 ST072 Lambda ST073 Upsilon ST074 Alpha ST075 Almach ST076 Hamal ST077 59 And ST078 lota ST079 231 | Psi PHE Epsilon CAS Struve 186 56 AND Lambda ARI Upsilon CET Alpha PSC Gamma AND Alpha ARI lota TRI Struve 231 | 01 53.6 01 54.4 01 55.9 01 56.2 01 57.9 02 00.0 02 02.0 02 03.9 02 07.2 02 10.9 02 12.4 02 12.8 | -46.3 +63.7 +01.9 +37.3 +23.6 -21.1 +02.8 +42.3 +23.5 +39.02 +30.3 -2.4 | 4.4 3.4 6.8 5.7 4.8 4 2.2 2 5.6 5 | 5° * 1" 3' 37" * 1.6" 10" * 16" 3.8" 16.5" | Ari Phe Cas Cet And Ari Cet Psc And Ari Ari Ari Cri Cet | double star equal magnitude red variable star star double star challenge double star double star star double star star double star challenge colored double star star colored double star colored double star double star colored double star double star double star |
| ST068 Psi ST069 Epsilon ST070 186 ST071 56 ST072 Lambda ST073 Upsilon ST074 Alpha ST075 Almach ST076 Hamal ST077 59 And ST078 lota ST079 231 ST080 228 | Psi PHE Epsilon CAS Struve 186 56 AND Lambda ARI Upsilon CET Alpha PSC Gamma AND Alpha ARI | 01 53.6 01 54.4 01 55.9 01 56.2 01 57.9 02 00.0 02 02.0 02 03.9 02 07.2 02 10.9 02 12.4 02 12.8 02 14.0 | -46.3 +63.7 +01.9 +37.3 +23.6 -21.1 +02.8 +42.3 +23.5 +39.02 +30.3 -2.4 +47.5 | 4.4 3.4 6.8 5.7 4.8 4 4 2.2 2 5.6 5 | 5° * 1" 3' 37" * 1.6" 10" * 16" 3.8" 16.5" 1.1" | Ari Phe Cas Cet And Ari Cet And Ari Ari Ari Ari And Tri Cet And | double star equal magnitude red variable star star double star challenge double star double star star double star star double star challenge colored double star star colored double star colored double star |
| ST068 Psi ST069 Epsilon ST070 186 ST071 56 ST072 Lambda ST073 Upsilon ST074 Alpha ST075 Almach ST076 Hamal ST077 59 And ST078 lota ST079 231 ST080 228 ST081 232 | Psi PHE Epsilon CAS Struve 186 56 AND Lambda ARI Upsilon CET Alpha PSC Gamma AND Alpha ARI lota TRI Struve 231 | 01 53.6 01 54.4 01 55.9 01 56.2 01 57.9 02 00.0 02 02.0 02 03.9 02 07.2 02 10.9 02 12.4 02 12.8 02 14.0 02 14.7 | -46.3 +63.7 +01.9 +37.3 +23.6 -21.1 +02.8 +42.3 +23.5 +39.02 +30.3 -2.4 +47.5 +30.24 | 4.4 3.4 6.8 5.7 4.8 4 2.2 2 5.6 5 | 5° * 1" 3' 37" * 1.6" 10" * 16" 3.8" 16.5" | Ari Phe Cas Cet And Ari Cet Psc And Ari Ari Ari Cet And Tri Cet And Tri | double star equal magnitude red variable star star double star challenge double star double star star double star star double star challenge colored double star star colored double star colored double star double star colored double star double star double star |
| ST068 Psi ST069 Epsilon ST070 186 ST071 56 ST072 Lambda ST073 Upsilon ST074 Alpha ST075 Almach ST076 Hamal ST077 59 And ST078 lota ST079 231 ST080 228 | Psi PHE Epsilon CAS Struve 186 56 AND Lambda ARI Upsilon CET Alpha PSC Gamma AND Alpha ARI lota TRI Struve 231 Struve 228 | 01 53.6 01 54.4 01 55.9 01 56.2 01 57.9 02 00.0 02 02.0 02 03.9 02 07.2 02 10.9 02 12.4 02 12.8 02 14.0 02 14.7 02 17.4 | -46.3 +63.7 +01.9 +37.3 +23.6 -21.1 +02.8 +42.3 +23.5 +39.02 +30.3 -2.4 +47.5 | 4.4 3.4 6.8 5.7 4.8 4 4 2.2 2 5.6 5 5.7 6.6 | 5° * 1" 3' 37" * 1.6" 10" * 16" 3.8" 16.5" 1.1" | Ari Phe Cas Cet And Ari Cet And Ari Ari Ari Ari And Tri Cet And | double star equal magnitude red variable star star double star challenge double star double star star double star challenge colored double star star colored double star colored double star colored double star double star double star double star double star double star challenge |
| ST068 Psi ST069 Epsilon ST070 186 ST071 56 ST072 Lambda ST073 Upsilon ST074 Alpha ST075 Almach ST076 Hamal ST077 59 And ST078 lota ST079 231 ST080 228 ST081 232 ST082 239 | Psi PHE Epsilon CAS Struve 186 56 AND Lambda ARI Upsilon CET Alpha PSC Gamma AND Alpha ARI lota TRI Struve 231 Struve 228 | 01 53.6 01 54.4 01 55.9 01 56.2 01 57.9 02 00.0 02 02.0 02 03.9 02 07.2 02 10.9 02 12.4 02 12.8 02 14.0 02 14.7 02 17.4 | -46.3 +63.7 +01.9 +37.3 +23.6 -21.1 +02.8 +42.3 +23.5 +39.02 +30.3 -2.4 +47.5 +30.24 +28.44 | 4.4 3.4 6.8 5.7 4.8 4 4 2.2 5.6 5 5.7 6.6 8 7 | 5° * 1" 3' 37" * 1.6" 10" * 16" 3.8" 16.5" 1.1" 7" | Ari Phe Cas Cet And Ari Cet Psc And Ari Ari Tri Cet And Tri Tri Tri | double star equal magnitude red variable star star double star challenge double star double star star double star challenge colored double star star colored double star colored double star challenge double star equal magnitude double star |
| ST068 Psi ST069 Epsilon ST070 186 ST071 56 ST072 Lambda ST073 Upsilon ST074 Alpha ST075 Almach ST076 Hamal ST077 59 And ST078 lota ST079 231 ST080 228 ST081 232 ST082 239 ST083 Mira | Psi PHE Epsilon CAS Struve 186 56 AND Lambda ARI Upsilon CET Alpha PSC Gamma AND Alpha ARI lota TRI Struve 231 Struve 228 Omicron CET | 01 53.6 01 54.4 01 55.9 01 56.2 01 57.9 02 00.0 02 02.0 02 03.9 02 07.2 02 10.9 02 12.4 02 12.8 02 14.0 02 14.7 02 17.4 02 19.3 | -46.3 +63.7 +01.9 +37.3 +23.6 -21.1 +02.8 +42.3 +23.5 +39.02 +30.3 -2.4 +47.5 +30.24 +28.44 -3 | 4.4 3.4 6.8 5.7 4.8 4 4 2.2 5.6 5 5.7 6.6 8 7 | 5° * 1" 3' 37" * 1.6" 10" * 16" 3.8" 16.5" 1.1" 7" 14" * | Ari Phe Cas Cet And Ari Cet Psc And Ari Ari Ari Cnd Ari And Tri Cet And Tri Cet Cet | double star equal magnitude red variable star star double star challenge double star double star star double star challenge colored double star star colored double star colored double star challenge double star equal magnitude double star variable star |
| ST068 Psi ST069 Epsilon ST070 186 ST071 56 ST072 Lambda ST073 Upsilon ST074 Alpha ST075 Almach ST076 Hamal ST077 59 And ST078 lota ST079 231 ST080 228 ST081 232 ST082 239 ST083 Mira ST084 lota | Psi PHE Epsilon CAS Struve 186 56 AND Lambda ARI Upsilon CET Alpha PSC Gamma AND Alpha ARI lota TRI Struve 231 Struve 228 | 01 53.6 01 54.4 01 55.9 01 56.2 01 57.9 02 00.0 02 02.0 02 03.9 02 07.2 02 10.9 02 12.4 02 12.8 02 14.0 02 14.7 02 17.4 02 19.3 02 29.1 | -46.3 +63.7 +01.9 +37.3 +23.6 -21.1 +02.8 +42.3 +23.5 +39.02 +30.3 -2.4 +47.5 +30.24 +28.44 -3 +67.4 | 4.4 3.4 6.8 5.7 4.8 4 4 2.2 5.6 5.7 6.6 8 7 | 5° * 1" 3' 37" * 1.6" 10" * 16" 3.8" 16.5" 1.1" 7" 14" * | Ari Phe Cas Cet And Ari Cet Psc And Ari And Tri Cet And Tri Cet Cas | double star equal magnitude red variable star star double star challenge double star double star star double star challenge colored double star star colored double star colored double star double star double star double star double star double star challenge double star equal magnitude double star variable star triple star |
| ST068 Psi ST069 Epsilon ST070 186 ST071 56 ST072 Lambda ST073 Upsilon ST074 Alpha ST075 Almach ST076 Hamal ST077 59 And ST078 Iota ST079 231 ST080 228 ST081 232 ST082 239 ST083 Mira ST084 ST085 268 | Psi PHE Epsilon CAS Struve 186 56 AND Lambda ARI Upsilon CET Alpha PSC Gamma AND Alpha ARI lota TRI Struve 231 Struve 228 Omicron CET | 01 53.6 01 54.4 01 55.9 01 56.2 01 57.9 02 00.0 02 02.0 02 03.9 02 07.2 02 10.9 02 12.4 02 12.8 02 14.0 02 14.7 02 17.4 02 19.3 02 29.1 02 29.4 | -46.3 +63.7 +01.9 +37.3 +23.6 -21.1 +02.8 +42.3 +23.5 +39.02 +30.3 -2.4 +47.5 +30.24 +28.44 -3 +67.4 +55.31 | 4.4 3.4 6.8 5.7 4.8 4 4 2.2 5.6 5 5.7 6.6 8 7 2 4 6.9 | 5° * 1" 3' 37" * 1.6" 10" * 16" 3.8" 16.5" 1.1" 7" 14" * 2.2" 3" | Ari Phe Cas Cet And Ari Cet Psc And Ari Ari Ct Cet And Tri Cet And Tri Cet Cas Per | double star equal magnitude red variable star star double star challenge double star star double star star double star challenge colored double star star colored double star colored double star double star double star double star double star triple star triple star double star double star |
| ST068 Psi ST069 Epsilon ST070 186 ST071 56 ST072 Lambda ST073 Upsilon ST074 Alpha ST075 Almach ST076 Hamal ST077 59 And ST078 Iota ST079 231 ST080 228 ST081 232 ST082 239 ST083 Mira ST084 ST085 268 ST086 274 | Psi PHE Epsilon CAS Struve 186 56 AND Lambda ARI Upsilon CET Alpha PSC Gamma AND Alpha ARI lota TRI Struve 231 Struve 228 Omicron CET lota CAS | 01 53.6 01 54.4 01 55.9 01 56.2 01 57.9 02 00.0 02 02.0 02 03.9 02 07.2 02 10.9 02 12.4 02 12.8 02 14.0 02 14.7 02 17.4 02 19.3 02 29.1 02 29.4 02 31.5 | -46.3 +63.7 +01.9 +37.3 +23.6 -21.1 +02.8 +42.3 +23.5 +39.02 +30.3 -2.4 +47.5 +30.24 +28.44 -3 +67.4 +55.31 +01.05 | 4.4 3.4 6.8 5.7 4.8 4 4 2.2 5.6 5 5.7 6.6 8 7 2 4 6.9 7.3 | 5° * 1" 3' 37" * 1.6" 10" * 16" 3.8" 16.5" 1.1" 7" 14" * 2.2" 3" 14" | Ari Phe Cas Cet And Ari Cet Psc And Ari Ari And Tri Cet And Tri Cet Cas Per Cet | double star equal magnitude red variable star star double star challenge double star double star star double star challenge colored double star star colored double star colored double star double star double star double star double star double star challenge double star equal magnitude double star variable star triple star |
| ST068 Psi ST069 Epsilon ST070 186 ST071 56 ST072 Lambda ST073 Upsilon ST074 Alpha ST075 Almach ST076 Hamal ST077 59 And ST078 Iota ST079 231 ST080 228 ST081 232 ST082 239 ST083 Mira ST084 ST085 268 | Psi PHE Epsilon CAS Struve 186 56 AND Lambda ARI Upsilon CET Alpha PSC Gamma AND Alpha ARI lota TRI Struve 231 Struve 228 Omicron CET | 01 53.6 01 54.4 01 55.9 01 56.2 01 57.9 02 00.0 02 02.0 02 03.9 02 07.2 02 10.9 02 12.4 02 12.8 02 14.0 02 14.7 02 17.4 02 19.3 02 29.1 02 29.4 | -46.3 +63.7 +01.9 +37.3 +23.6 -21.1 +02.8 +42.3 +23.5 +39.02 +30.3 -2.4 +47.5 +30.24 +28.44 -3 +67.4 +55.31 | 4.4 3.4 6.8 5.7 4.8 4 4 2.2 5.6 5 5.7 6.6 8 7 2 4 6.9 | 5° * 1" 3' 37" * 1.6" 10" * 16" 3.8" 16.5" 1.1" 7" 14" * 2.2" 3" | Ari Phe Cas Cet And Ari Cet Psc And Ari Ari Ct Cet And Tri Cet And Tri Cet Cas Per | double star equal magnitude red variable star star double star challenge double star star double star star double star challenge colored double star star colored double star colored double star double star double star double star double star triple star triple star double star double star |
| ST068 Psi ST069 Epsilon ST070 186 ST071 56 ST072 Lambda ST073 Upsilon ST074 Alpha ST075 Almach ST076 Hamal ST077 59 And ST078 Iota ST079 231 ST080 228 ST081 232 ST082 239 ST083 Mira ST084 ST085 268 ST086 274 | Psi PHE Epsilon CAS Struve 186 56 AND Lambda ARI Upsilon CET Alpha PSC Gamma AND Alpha ARI lota TRI Struve 231 Struve 228 Omicron CET lota CAS | 01 53.6 01 54.4 01 55.9 01 56.2 01 57.9 02 00.0 02 02.0 02 03.9 02 07.2 02 10.9 02 12.4 02 12.8 02 14.0 02 14.7 02 17.4 02 19.3 02 29.1 02 29.4 02 31.5 | -46.3 +63.7 +01.9 +37.3 +23.6 -21.1 +02.8 +42.3 +23.5 +39.02 +30.3 -2.4 +47.5 +30.24 +28.44 -3 +67.4 +55.31 +01.05 | 4.4 3.4 6.8 5.7 4.8 4 4 2.2 5.6 5 5.7 6.6 8 7 2 4 6.9 7.3 | 5° * 1" 3' 37" * 1.6" 10" * 16" 3.8" 16.5" 1.1" 7" 14" * 2.2" 3" 14" | Ari Phe Cas Cet And Ari Cet Psc And Ari Ari And Tri Cet And Tri Cet Cas Per Cet | double star equal magnitude red variable star star double star challenge double star star double star star double star challenge colored double star star colored double star colored double star double star double star double star triple star triple star double star double star triple star double star double star double star double star triple star double star equal magnitude |
| ST068 Psi ST069 Epsilon ST070 186 ST071 56 ST072 Lambda ST073 Upsilon ST074 Alpha ST075 Almach ST076 Hamal ST077 59 And ST078 Iota ST079 231 ST080 ST081 232 ST082 239 ST083 Mira ST084 lota ST085 268 ST086 274 ST087 Polaris ST088 Omega | Psi PHE Epsilon CAS Struve 186 56 AND Lambda ARI Upsilon CET Alpha PSC Gamma AND Alpha ARI lota TRI Struve 231 Struve 228 Omicron CET lota CAS Alpha UMi | 01 53.6 01 54.4 01 55.9 01 56.2 01 57.9 02 00.0 02 02.0 02 03.9 02 07.2 02 10.9 02 12.4 02 12.8 02 14.0 02 14.7 02 19.3 02 29.1 02 29.4 02 31.5 02 31.8 02 33.9 | -46.3 +63.7 +01.9 +37.3 +23.6 -21.1 +02.8 +42.3 +23.5 +39.02 +30.3 -2.4 +47.5 +30.24 +28.44 -3 +67.4 +55.31 +01.05 +89.16 -28.13 | 4.4 3.4 6.8 5.7 4.8 4 4 2.2 5.6 5 5.7 6.6 8 7 2 4 6.9 7.3 2 5 | 5° * 1" 3' 37" * 1.6" 10" * 16" 3.8" 16.5" 1.1" 7" 14" * 2.2" 3" 14" 18" 11" | Ari Phe Cas Cet And Ari Cet Psc And Ari Ari And Tri Cet And Tri Tri Cet Cas Per Cet UMi For | double star equal magnitude red variable star star double star challenge double star star double star star double star challenge colored double star star colored double star colored double star double star double star double star double star challenge double star challenge double star equal magnitude double star triple star double star equal magnitude double star double star double star double star |
| ST068 Psi ST069 Epsilon ST070 186 ST071 56 ST072 Lambda ST073 Upsilon ST074 Alpha ST075 Almach ST076 Hamal ST077 59 ST078 lota ST079 231 ST080 228 ST081 232 ST082 239 ST083 Mira ST084 lota ST085 268 ST086 274 ST087 Polaris ST088 Omega ST089 30 | Psi PHE Epsilon CAS Struve 186 56 AND Lambda ARI Upsilon CET Alpha PSC Gamma AND Alpha ARI lota TRI Struve 231 Struve 228 Omicron CET lota CAS Alpha UMi h 3506 | 01 53.6 01 54.4 01 55.9 01 56.2 01 57.9 02 00.0 02 02.0 02 03.9 02 07.2 02 10.9 02 12.4 02 12.8 02 14.0 02 14.7 02 19.3 02 29.1 02 29.4 02 31.5 02 31.8 02 33.9 02 37.0 | -46.3 +63.7 +01.9 +37.3 +23.6 -21.1 +02.8 +42.3 +23.5 +39.02 +30.3 -2.4 +47.5 +30.24 +47.5 +30.24 +55.31 +01.05 +89.16 -28.13 +24.38 | 4.4 3.4 6.8 5.7 4.8 4 4 2.2 5.6 5 5.7 6.6 8 7 2 4 6.9 7.3 2 5 6.5 | 5° * 1" 3' 37" * 1.6" 10" * 16" 3.8" 16.5" 1.1" 7" 14" * 2.2" 3" 14" 18" 11" 39" | Ari Phe Cas Cet And Ari Cet Psc And Ari And Tri Cet And Tri Cet Cas Per Cet UMi For Ari | double star equal magnitude red variable star star double star challenge double star star double star star double star challenge colored double star star colored double star colored double star double star double star double star double star challenge double star challenge double star equal magnitude double star triple star double star challenge double star challenge double star colored double star colored double star colored double star |
| ST068 Psi ST070 186 ST071 56 ST072 Lambda ST073 Upsilon ST074 Alpha ST075 Almach ST076 Hamal ST077 59 And ST078 lota ST079 231 ST080 228 ST081 232 ST082 239 ST083 Mira ST084 lota ST085 268 ST086 274 ST087 Polaris ST088 Omega ST089 30 ST090 R | Psi PHE Epsilon CAS Struve 186 56 AND Lambda ARI Upsilon CET Alpha PSC Gamma AND Alpha ARI lota TRI Struve 231 Struve 228 Omicron CET lota CAS Alpha UMi h 3506 R TRI | 01 53.6 01 54.4 01 55.9 01 56.2 01 57.9 02 00.0 02 02.0 02 03.9 02 07.2 02 10.9 02 12.4 02 12.8 02 14.0 02 14.7 02 17.4 02 19.3 02 29.1 02 29.1 02 29.4 02 31.5 02 33.9 02 37.0 02 37.0 | -46.3 +63.7 +01.9 +37.3 +23.6 -21.1 +02.8 +42.3 +23.5 +39.02 +30.3 -2.4 +47.5 +30.24 +28.44 -3 +67.4 +55.31 +01.05 +89.16 -28.13 +24.38 +34.3 | 4.4 3.4 6.8 5.7 4.8 4 4 2.2 5.6 5 5.7 6.6 8 7 2 4 6.9 7.3 2 5 6.5 5.4 | 5° * 1" 3' 37" * 1.6" 10" * 16" 3.8" 16.5" 1.1" 7" 14" * 2.2" 3" 14" 18" 11" 39" * | Ari Phe Cas Cet And Ari Cet Psc And Ari And Tri Cet And Tri Cet Cas Per Cet UMi For Ari Tri | double star equal magnitude red variable star star double star challenge double star double star star double star challenge colored double star star colored double star colored double star double star double star double star double star double star challenge double star equal magnitude double star triple star triple star double star equal magnitude double star equal magnitude double star double star double star colored double star colored double star variable star colored double star variable star |
| ST068 Psi ST070 186 ST071 56 ST072 Lambda ST073 Upsilon ST074 Alpha ST075 Almach ST076 Hamal ST077 59 And ST078 lota ST079 231 ST080 228 ST081 232 ST082 239 ST083 Mira ST084 lota ST085 268 ST086 274 ST087 Polaris ST088 Omega ST089 30 ST090 R ST091 Gamma | Psi PHE Epsilon CAS Struve 186 56 AND Lambda ARI Upsilon CET Alpha PSC Gamma AND Alpha ARI lota TRI Struve 231 Struve 228 Omicron CET lota CAS Alpha UMi h 3506 | 01 53.6 01 54.4 01 55.9 01 56.2 01 57.9 02 00.0 02 02.0 02 03.9 02 07.2 02 10.9 02 12.4 02 12.8 02 14.0 02 14.7 02 17.4 02 19.3 02 29.1 02 29.1 02 31.5 02 33.9 02 37.0 02 37.0 02 43.3 | -46.3 +63.7 +01.9 +37.3 +23.6 -21.1 +02.8 +42.3 +23.5 +39.02 +30.3 -2.4 +47.5 +30.24 +28.44 -3 +67.4 +55.31 +01.05 +89.16 -28.13 +24.38 +34.3 +03.2 | 4.4 3.4 6.8 5.7 4.8 4 4 2.2 2 5.6 5 5.7 6.6 8 7 2 4 6.9 7.3 2 5 5 5 5 5 5 5 6 5 5 6 5 7 6 7 8 7 8 7 8 7 8 7 8 7 8 7 8 7 8 7 8 | 5° * 1" 3' 37" * 1.6" 10" * 16" 3.8" 16.5" 1.1" 7" 14" * 2.2" 3" 14" 18" 11" 39" * | Ari Phe Cas Cet And Ari Cet Psc And Ari And Tri Cet And Tri Cet Cas Per Cet UMi For Ari Tri Cet | double star equal magnitude red variable star star double star challenge double star double star star double star challenge colored double star star colored double star colored double star double star double star double star double star double star challenge double star equal magnitude double star triple star double star double star double star double star double star colored double star colored double star double star colored double star variable star double star colored double star variable star double star |
| ST068 Psi ST070 186 ST071 56 ST072 Lambda ST073 Upsilon ST074 Alpha ST075 Almach ST076 Hamal ST077 59 And ST078 lota ST079 231 ST080 228 ST081 232 ST082 239 ST083 Mira ST084 lota ST085 268 ST086 274 ST087 Polaris ST088 Omega ST089 30 ST090 R | Psi PHE Epsilon CAS Struve 186 56 AND Lambda ARI Upsilon CET Alpha PSC Gamma AND Alpha ARI lota TRI Struve 231 Struve 228 Omicron CET lota CAS Alpha UMi h 3506 R TRI | 01 53.6 01 54.4 01 55.9 01 56.2 01 57.9 02 00.0 02 02.0 02 03.9 02 07.2 02 10.9 02 12.4 02 12.8 02 14.0 02 14.7 02 17.4 02 19.3 02 29.1 02 29.1 02 29.4 02 31.5 02 33.9 02 37.0 02 37.0 | -46.3 +63.7 +01.9 +37.3 +23.6 -21.1 +02.8 +42.3 +23.5 +39.02 +30.3 -2.4 +47.5 +30.24 +28.44 -3 +67.4 +55.31 +01.05 +89.16 -28.13 +24.38 +34.3 | 4.4 3.4 6.8 5.7 4.8 4 4 2.2 5.6 5 5.7 6.6 8 7 2 4 6.9 7.3 2 5 6.5 5.4 | 5° * 1" 3' 37" * 1.6" 10" * 16" 3.8" 16.5" 1.1" 7" 14" * 2.2" 3" 14" 18" 11" 39" * | Ari Phe Cas Cet And Ari Cet Psc And Ari And Tri Cet And Tri Cet Cas Per Cet UMi For Ari Tri | double star equal magnitude red variable star star double star challenge double star double star star double star challenge colored double star star colored double star colored double star double star double star double star double star double star challenge double star equal magnitude double star triple star triple star double star equal magnitude double star equal magnitude double star double star double star colored double star colored double star variable star colored double star variable star |
| ST068 Psi ST070 186 ST071 56 ST072 Lambda ST073 Upsilon ST074 Alpha ST075 Almach ST076 Hamal ST077 59 And ST078 lota ST079 231 ST080 228 ST081 232 ST082 239 ST083 Mira ST084 lota ST085 268 ST086 274 ST087 Polaris ST088 Omega ST089 30 ST090 R ST091 Gamma | Psi PHE Epsilon CAS Struve 186 56 AND Lambda ARI Upsilon CET Alpha PSC Gamma AND Alpha ARI lota TRI Struve 231 Struve 228 Omicron CET lota CAS Alpha UMi h 3506 R TRI | 01 53.6 01 54.4 01 55.9 01 56.2 01 57.9 02 00.0 02 02.0 02 03.9 02 07.2 02 10.9 02 12.4 02 12.8 02 14.0 02 14.7 02 17.4 02 19.3 02 29.1 02 29.1 02 31.5 02 33.9 02 37.0 02 37.0 02 43.3 | -46.3 +63.7 +01.9 +37.3 +23.6 -21.1 +02.8 +42.3 +23.5 +39.02 +30.3 -2.4 +47.5 +30.24 +28.44 -3 +67.4 +55.31 +01.05 +89.16 -28.13 +24.38 +34.3 +03.2 | 4.4 3.4 6.8 5.7 4.8 4 4 2.2 2 5.6 5 5.7 6.6 8 7 2 4 6.9 7.3 2 5 5 5 5 5 5 5 6 5 5 6 5 7 6 7 8 7 8 7 8 7 8 7 8 7 8 7 8 7 8 7 8 | 5° * 1" 3' 37" * 1.6" 10" * 16" 3.8" 16.5" 1.1" 7" 14" * 2.2" 3" 14" 18" 11" 39" * | Ari Phe Cas Cet And Ari Cet Psc And Ari And Tri Cet And Tri Cet Cas Per Cet UMi For Ari Tri Cet | double star equal magnitude red variable star star double star challenge double star double star star double star challenge colored double star star colored double star colored double star double star double star double star double star double star challenge double star equal magnitude double star triple star double star double star double star double star double star colored double star colored double star double star colored double star variable star double star colored double star variable star double star |

| ST094 pi | | 02 49.3 | +17 28 | 5.2 | 3" | Ari | triple star |
|---------------------------------------|------------------------------------|--------------------|----------------|------------|---------|------------|--------------------------------|
| ST095 Eta | 307 | 02 50.7 | +55 53 | 3.9 | 28" | Per | double star magnitude contrast |
| ST096 R | R HOR | 02 53.9 | -49.9 | 4.7 | * | Hor | variable star |
| ST090 K ST097 330 | Struve 330 | 02 55.9 | -43.3 | 7.3 | 9" | Cet | double star |
| | | | | | - | | |
| ST098 Acamar | Theta ERI | 02 58.3 | -40.3 | 3.5 | 8" | Eri | double star |
| ST099 Epsilon | Epsilon ARI | 02 59.2 | +29.3 | 4.6 | 1.4" | Ari | double star challenge |
| ST100 Epsilon | | 02 59.2 | +21 20 | 4.6 | 1" | Ari | double star challenge |
| ST101 331 | | 03 00.8 | +52 20 | 5.4 | 12" | Per | double star |
| ST102 Menkar | Alpha CET | 03 02.3 | +04.1 | 2.5 | * | Cet | star |
| ST103 Rho | Rho PER | 03 05.2 | +38.8 | 3.4 | * | Per | red variable star |
| ST104 320 | | 03 06.2 | +79 24 | 5.8 | 5" | Сер | colored double star |
| ST105 h3568 | h3568 | 03 07.5 | -79 | 5.6 | 15" | Hyi | double star |
| | Beta PER | 03 07.3 | +41.0 | 2.2 | * | Per | variable star |
| ST106 Algol | | | | | | | |
| ST107 Alpha | Alpha FOR | 03 12.1 | -29 | 4 | 5" | For | double star |
| ST108 h3556 | h3556 | 03 12.4 | -44.4 | 6 | 3.5" | Eri | double star |
| ST109 362 | | 03 16.3 | +60 02 | 8.5 | 7" | Cam | double star equal magnitude |
| ST110 369 | | 03 17.2 | +40 29 | 6.7 | 3" | Per | colored double star |
| ST111 ADS2446 | ADS 2446 | 03 17.7 | +38.6 | 7.8 | 0.9" | Per | double star challenge |
| ST112 Zeta | Zeta RET | 03 18.2 | -62.5 | 5.2 | 5' | Ret | double star |
| ST113 Tau4 | Tau4 ERI | 03 19.5 | -21.8 | 3.7 | * | Eri | star |
| ST114 Toms Topaz | Tom's Topaz | 03 20.3 | +29.0 | 4.5 | 9° | Ari | star |
| • | | 03 24.3 | +49 52 | | * | | |
| ST115 Mirfak | Alpha Per | | | 1.8 | * | Per | star |
| ST116 Y | Y PER | 03 27.7 | +44.2 | 8.1 | | Per | variable star |
| ST117 394 | | 03 28.0 | +20 27 | 7.1 | 7" | Ari | double star |
| ST118 385 | Struve 385 | 03 29.1 | +59.9 | 4.2 | 2.4" | Cam | double star |
| ST119 389 | | 03 30.1 | +59 21 | 6.5 | 2.7" | Cam | double star |
| ST120 Sigma | Sigma PER | 03 30.6 | +48.0 | 4.4 | * | Per | star |
| ST121 401 | - 3 | 03 31.3 | +27 34 | 6.4 | 11" | Tau | double star equal magnitude |
| ST122 Epsilon | Epsilon ERI | 03 32.9 | -9.5 | 3.7 | * | Eri | star |
| · · · · · · · · · · · · · · · · · · · | • | 03 35.0 | +60.0 | | 1.4" | Cam | double star |
| | Struve 400 | | | 6.8 | | | |
| ST124 O 36 | O.Struve 36 | 03 40.0 | +63.9 | 6.8 | 46" | Cam | double star |
| ST125 U1 | U(1) CAM (?) | | +62.6 | 8.1 | 0 | Cam | variable star |
| ST126 Omicron | Omicron PER | 03 44.3 | +32.3 | 3.8 | 0 | Per | star |
| ST127 Pi | Pi ERI | 03 46.1 | -12.1 | 4.4 | * | Eri | red variable star |
| ST128 Gamma | Gamma HYI | 03 47.2 | -74.2 | 3.2 | * | Hyi | star |
| ST129 30 | 30 TAU | 03 48.3 | +11.2 | 5 | 9" | Tau | double star |
| ST130 F | 16 | 03 48.6 | -37 37 | 4.9 | 8" | Eri | double star equal magnitude |
| ST131 BE | BE CAM | 03 49.5 | +65.5 | 4.5 | * | Cam | star |
| ST132 Atik | Zeta PER | 03 54.1 | +31.9 | 2.9 | * | Per | |
| | | | | | | | star |
| ST133 32 | 32 ERI | 03 54.3 | -3 | 5 | 7" | Eri | colored double star |
| ST134 Epsilon | | 03 57.9 | +40 01 | 2.9 | 9" | Per | double star magnitude contrast |
| ST135 Gamma | Gamma ERI | 03 58.0 | -13.5 | 3 | * | Eri | star |
| ST136 Lambda | Lambda TAU | 04 00.7 | +12.5 | 3.3 | * | Tau | variable star |
| ST137 O 531 | ADS 2995 | 04 07.6 | +38.1 | 7.4 | 1.4" | Per | double star challenge |
| ST138 SZ | 485 | 04 07.8 | +62 20 | 7 | 90" | Cam | double star |
| ST139 Omicron2 | Omicron2 ERI | | -7.7 | 4.5 | 83" | Eri | triple star challenge |
| ST140 Epsilon | Epsilon RET | 04 16.5 | -59.3 | 4.4 | * | Ret | star |
| | | | | | | | |
| ST141 Theta | Theta RET | 04 17.7 | -63.3 | 6.2 | 4" | Ret | double star |
| ST142 Phi | Phi TAU | 04 20.4 | +27.4 | 5 | 52" | Tau | double star |
| ST143 T | | 04 22.0 | +19 32 | 8.4 | Stellar | Tau | variable star |
| ST144 Chi | Chi TAU | 04 22.6 | +25.6 | 5.5 | 19.4" | Tau | double star |
| ST145 ADS3169 | ADS 3169 | 04 22.7 | +15.1 | 7.3 | 1.4" | Tau | double star challenge |
| ST146 43 | 43 ERI | 04 24.0 | -34 | 4 | * | Eri | red variable star |
| ST147 ß 184 | | 04 27.9 | -21 30 | 7.3 | 1.7" | Eri | double star challenge |
| ST148 552 | | 04 31.4 | +40 01 | 7 | 9" | Per | double star equal magnitude |
| ST149 1 | | 04 32.0 | +53 55 | 5.4 | 10" | Cam | colored double star |
| | | | | | | | |
| ST150 559 | | 04 33.5 | +18 01 | 6.9 | 3" | Tau | double star equal magnitude |
| ST151 46 | 46 ERI | 04 33.9 | -6.7 | 5.7 | 4' | Eri | double star |
| ST152 Aldebaran | Alpha TAU | 04 35.9 | +16.5 | 0.9 | 30" | Tau | colored double star |
| ST153 Nu | Nu ERI | 04 36.3 | -3.4 | 3.9 | 11° | Eri | star |
| ST154 53 | 53 ERI | 04 38.2 | -14.3 | 3.9 | * | Eri | star |
| ST155 572 | | 04 38.5 | +26 56 | 7.3 | 4" | Tau | double star equal magnitude |
| ST156 54 | 54 ERI | 04 40.4 | -19.7 | 4.3 | * | Eri | red variable star |
| ST157 R | R CAE | 04 40.5 | -38.2 | 6.7 | * | Cae | variable star |
| | | | | | | | |
| ST158 55 | 590 | 04 43.6 | -08 48 | 6.7 | 9" | Eri | double star equal magnitude |
| ST159 lota | lota PIC | 04 50.9 | -53.5 | 5.6 | 12" | Pic | double star |
| ST160 ST | | 04 51.2 | +68 10 | 9.2 | Stellar | Cam | red variable star |
| ST161 Pi4 | Pi4 ORI | 04 51.2 | +05.6 | 3.7 | * | Ori | star |
| ST162 TT | TT TAU | 04 51.6 | +28.5 | 8 | * | Tau | variable star |
| ST163 Pi5 | Pi5 ORI | 04 54.2 | +02.4 | 3.7 | * | Ori | star |
| ST164 Omicron2 | | | | - • | | | |
| | | 104 56 4 | +13.5 | 4.1 | * | Ori | star |
| ST165 Inta | Omicron2 OR | | +13.5 +33.2 | 4.1 2.7 | | Ori Aur | star |
| ST165 lota | Omicron2 OR lota AUR | 04 57.0 | +33.2 | 2.7 | * | Aur | star |
| ST166 Pi6 | Omicron2 OR lota AUR Pi6 ORI | 04 57.0 04 58.5 | +33.2 +01.7 | 2.7 4.5 | * | Aur Ori | star star |
| | Omicron2 OR lota AUR | 04 57.0 04 58.5 | +33.2 | 2.7 | * | Aur | star |

| CT160 Hinda Crimana Stor | חובה | 04 50 6 | 110 | F 0 | * | Lan | veriable eter |
|-------------------------------------|-------------------------------|--|-------------------------------|----------------------|----------------|-------------------|--------------------------------|
| ST168 Hinds Crimson Star | R LEP | 04 59.6 05 00.6 | -14.8 | 5.9 | 21" | Lep | variable star |
| ST169 627 | Ctrus o CO1 | | +03 36 | 6.6 | | Ori | double star equal magnitude |
| ST170 631 | Struve 631 | 05 00.7 | -13.5 +01.6 | 7.5 | 5.5" | Lep | double star |
| ST171 630 ST172 Engilen | Struve 630 | 05 02.0 05 02.0 | | 6.5 | 15" Stoller | Ori | double star |
| ST172 Epsilon | Zoto ALID | | +43 49 | 2.9 | Stellar * | Aur | variable star |
| ST173 Zeta | Zeta AUR | 05 02.5 | +41.1 | 3.8 | * | Aur | star |
| ST174 W | W ORI | 05 05.4 | +01.2 | 8.6 | * | Ori | variable star |
| ST175 Epsilon | Epsilon LEP | 05 05.5 | -22.4 | 3.2 | | Lep | star |
| ST176 Eta | Eta AUR | 05 06.5 | +41.2 | 3.2 | * | Aur | star |
| ST177 14 | O 98 | 05 07.9 | +08 29 | 5.9 | 0.7" | Ori | double star challenge |
| ST178 TX | TX AUR | 05 09.1 | +39.0 | 8.5 | * | Aur | variable star |
| ST179 SY | SY ERI | 05 09.8 | -5.6 | 9 | * | Eri | variable star |
| ST180 644 | | 05 10.4 | +37 17 | 6.8 | 2" | Aur | double star challenge |
| ST181 lota | Iota LEP | 05 12.3 | -11.9 | 4.5 | 13" | Lep | double star |
| ST182 Rho | | 05 13.3 | +02 52 | 4.5 | 7" | Ori | colored double star |
| ST183 Rigel | Beta ORI | 05 14.5 | -8.2 | 0 | 9.4" | Ori | double star magnitude contrast |
| ST184 653 | Struve 653 | 05 15.4 | +32.7 | 5.1 | 11" | Aur | triple star |
| ST185 Capella | Alpha Aur | 05 16.7 | +46 00 | 0.1 | * | Aur | star |
| ST186 S 476 | | 05 19.3 | -18 30 | 6.2 | 39" | Lep | double star equal magnitude |
| ST187 h3750 | | 05 20.5 | -21 14 | 4.7 | 4" | Lep | double star magnitude contrast |
| ST188 UV | UV AUR | 05 21.8 | +32.5 | 7.4 | * | Aur | variable star |
| ST189 ADS3954 | ADS 3954 | 05 21.8 | -24.8 | 5.5 | 3.2" | Lep | double star |
| ST190 696 | Struve 696 | 05 22.8 | +03.6 | 5 | 32" | Ori | double star |
| ST191 701 | Struve 701 | 05 23.3 | -8.4 | 6 | 6" | Ori | double star |
| ST192 Eta | Strave 701 | 05 24.5 | -02 24 | 3.4 | 1.5" | Ori | |
| | Sigma AUR | | | 5. 4 5 | 9" | | double star challenge |
| ST193 Sigma | • | 05 24.7 | +37.4 | | - | Aur | double star |
| ST194 Theta | Theta PIC | 05 24.8 | -52.3 | 6.8 | 38" * | Pic | double star |
| ST195 Bellatrix | Gamma ORI | 05 25.1 | +06.3 | 1.6 | | Ori | star |
| ST196 698 | Struve 698 | 05 25.2 | +34.9 | 6.6 | 31" | Aur | double star |
| ST197 118 | 716 | 05 29.3 | +25 09 | 5.8 | 5" | Tau | double star |
| ST198 31 | 31 ORI | 05 29.7 | -1.1 | 4.7 | * | Ori | star |
| ST199 TL9 | TL 9 | 05 30.0 | +17.0 | 5 | 5° | Tau | asterism |
| ST200 Delta | Delta ORI | 05 32.0 | -0.3 | 2.2 | 53" | Ori | double star |
| ST201 119 | 119 TAU | 05 32.2 | +18.6 | 4.7 | * | Tau | star |
| ST202 718 | | 05 32.4 | +49 24 | 7.5 | 8" | Aur | double star equal magnitude |
| ST203 RT | RT ORI | 05 33.2 | +07.2 | 8 | * | Ori | variable star |
| ST204 747 | Struve 747 | 05 35.0 | -6 | 4.8 | 36" | Ori | double star |
| ST205 Lambda | | 05 35.1 | +09 56 | 3.4 | 4" | Ori | double star magnitude contrast |
| ST206 Trapezium | Trapezium | 05 35.3 | -05 23 | 5.1 | 13" | Ori | quadruple star |
| ST207 lota | 752 | 05 35.4 | -05 55 | 2.9 | 11" | Ori | double star magnitude contrast |
| ST208 Epsilon | Epsilon ORI | 05 36.2 | -1.2 | 1.7 | * | Ori | star |
| ST209 Phi2 | Phi2 ORI | 05 36.2 | +09.3 | 4 | * | Ori | star |
| | | | | 3 | * | Tau | |
| ST210 Zeta | Zeta TAU | 05 37.6 | +21.1 | | | | star |
| ST211 Sigma | A I - I - 00I | 05 38.7 | -02 36 | 3.7 | 11" * | Ori | quadruple star |
| ST212 Alpha | Alpha COL | 05 39.6 | -34.1 | 2.6 | | Col | star |
| ST213 Alnitak | Zeta ORI | 05 40.8 | -1.9 | 2 | 2.4" | Ori | double star magnitude contrast |
| ST214 U2 | U(2) CAM (?) | | +62.5 | 7.7 | | Cam | variable star |
| ST215 Gamma | Gamma LEP | | -22.5 | 3.7 | 97" | Lep | double star |
| ST216 Y | Y TAU | 05 45.7 | +20.7 | 7.1 | * | Tau | variable star |
| ST217 Mu | Mu COL | 05 46.0 | -32.3 | 5.2 | * | Col | star |
| ST218 Kappa | Kappa ORI | 05 47.8 | -9.7 | 2 | * | Ori | star |
| ST219 52 | 795 | 05 48.0 | +06 27 | 6.1 | 1.3" | Ori | double star challenge |
| ST220 Beta | Beta COL | 05 51.0 | -35.8 | 3.1 | * | Col | star |
| ST221 Delta | Delta LEP | 05 51.3 | -20.9 | 3.8 | * | Lep | star |
| ST222 Nu | Nu AUR | 05 51.5 | +39.1 | 4 | 30' | Aur | star |
| ST223 817 | | 05 54.9 | +07 02 | 8.8 | 19" | Ori | double star equal magnitude |
| ST224 Betelgeuse | Alpha Ori | 05 55.2 | +07 24 | 0.5 | Stellar | Ori | star |
| ST225 U | U ORI | 05 55.8 | +20.2 | 5.3 | * | Ori | variable star |
| ST226 Theta | | 05 59.7 | +37 13 | 2.6 | 3.5" | Aur | double star magnitude contrast |
| ST227 Pi | Pi AUR | 05 59.9 | +45.9 | 4.3 | 1° | Aur | red variable star |
| ST228 23 | | 06 04.8 | -48 27 | 7 | 2.7" | Pup | double star equal magnitude |
| ST229 855 | | 06 09.0 | +02 30 | 6 | 30" | Ori | double star |
| ST230 TU | TU GEM | 06 10.9 | +26.0 | 7.5 | * | Gem | variable star |
| ST230 10 ST231 41 | 845 | 06 10.3 | +48 42 | 6.1 | 8" | Aur | double star |
| | | | | | * | | |
| ST232 SS | SS AUR | 06 13.4 | +47.0 | 10 | | Aur | variable star |
| ST234 Fta | Gamma MON | | -6.3 | 4 | 8° * | Mon | star |
| ST234 Eta | Eta GEM | 06 14.9 | +22.5 | 3.3 | | Gem | star |
| ST235 872 | Struve 872 | 06 15.6 | +36.2 | 6.9 | 11" | Aur | double star |
| ST236 KS | 1/0 * 10: | 06 19.7 | -5.3 | 9.5 | * | Mon | variable star |
| | KS MON | | | | | | |
| ST237 Zeta | Zeta CMA | 06 20.3 | -30.1 | 3 | 8.5° | Cma | star |
| ST238 V | Zeta CMA V MON | 06 20.3 06 22.7 | -30.1 -2.2 | 6 | * | Mon | star variable star |
| ST238 V ST239 Mirzam | Zeta CMA V MON Beta CMA | 06 20.3 06 22.7 06 22.7 | -30.1 -2.2 -18 | 6 2 | * | | |
| ST238 V ST239 Mirzam ST240 Mu | Zeta CMA V MON | 06 20.3 06 22.7 | -30.1 -2.2 | 6 | * * | Mon | variable star |
| ST238 V ST239 Mirzam | Zeta CMA V MON Beta CMA | 06 20.3 06 22.7 06 22.7 | -30.1 -2.2 -18 | 6 2 | * | Mon Cma | variable star star |
| ST238 V ST239 Mirzam ST240 Mu | Zeta CMA V MON Beta CMA | 06 20.3 06 22.7 06 22.7 06 23.0 | -30.1 -2.2 -18 +22.5 | 6 2 2.9 | * * | Mon Cma Gem | variable star star star |

| ST243 BL | BL ORI | 06 25.5 | +14.7 | 8.5 | * | Ori | variable star |
|---|---|---|--|--|--|---|--|
| ST244 15 | DL OIN | 06 27.8 | +20 47 | 6.6 | 27" | Gem | double star |
| ST245 Beta | | 06 28.8 | -07 02 | 3.8 | 3" | Mon | triple star |
| ST246 ADS5150 | ADS 5150 | 06 31.8 | +38.9 | 11.5 | 4.5" | Aur | double star |
| ST240 AD33130 ST247 20 | 20 GEM | 06 32.3 | +17.8 | 6.3 | 20" | Gem | colored double star |
| ST247 20 ST248 ADS5188 | ADS 5188 | 06 34.3 | +38.1 | 6.7 | 43" | Aur | double star |
| | | | +36.1 | | 43 * | Gem | |
| ST249 CR ST250 928 | CR GEM | 06 34.4 06 34.7 | +38.4 | 8.5 | 3.5" | Aur | variable star |
| | ADS 5191 | | | 7.6 | | | double star |
| ST251 ADS5201 | ADS 5201 | 06 35.1 | +37.1 | 7.4 | 2.6" | Aur | double star |
| ST252 929 | ADS 5208 | 06 35.4 | +37.7 | 7.4 | 6" | Aur | double star |
| ST253 939 | Struve 939 | 06 35.9 | +05.3 | 8.3 | 30" | Mon | double star |
| ST254 ADS5221 | ADS 5221 | 06 36.2 | +38.0 | 8.5 | 1.3" | Aur | double star challenge |
| ST255 Nu1 | Nu1 CMA | 06 36.4 | -18.7 | 6 | 17.5" * | Cma | colored double star |
| ST256 UU | UU AUR | 06 36.5 | +38.5 | 5.1 | | Aur | variable star |
| ST257 ADS5240 | ADS 5240 | 06 36.9 | +38.2 | 9.7 | 2.2" | Aur | double star |
| ST258 ADS5245 | ADS 5245 | 06 37.3 | +38.4 | 8.8 | 10" | Aur | double star |
| ST259 South529 | South 529 | 06 37.6 | +12.2 | 7.6 | 70" | Gem | double star |
| ST260 Innes5 | Innes 5 | 06 38.0 | -61.5 | 6.4 | 2.4" | Pic | double star |
| ST261 ADS5265 | ADS 5265 | 06 38.4 | +38.8 | 9.6 | 4.6" | Aur | double star |
| ST262 Innes1156 | Innes 1156 | 06 39.1 | -29.1 | 8 | 0.7" | Cma | double star challenge |
| ST263 SAO172106 | SAO 172106 | 06 39.5 | -30 | 7.8 | 2.5° | Cma | red variable star |
| ST264 953 | | 06 41.2 | +08 59 | 7.1 | 7" | Mon | double star |
| ST265 VW | VW GEM | 06 42.2 | +31.5 | 8.7 | * | Gem | variable star |
| ST266 Sirius | Alpha CMA | 06 45.1 | -16.7 | -1 | 9" | Cma | double star magnitude contrast |
| ST267 12 | 948 | 06 46.2 | +59 27 | 4.9 | 2" | Lyn | triple star challenge |
| ST268 958 | | 06 48.2 | +55 42 | 5.5 | 5" | Lyn | double star equal magnitude |
| ST269 Kappa | Kappa CMA | 06 49.8 | -32.5 | 4 | * | Ćma | star |
| ST270 14 | 14 LYN | 06 53.1 | +59.5 | 5.7 | 0.4" | Lyn | double star challenge |
| ST271 GY | GY MON | 06 53.2 | -4.6 | 9.4 | * | Mon | variable star |
| ST272 987 | · | 06 54.1 | -05 51 | 7.1 | 1.3" | Mon | double star challenge |
| ST273 Omicron1 | Omicron1 CM | | 06 54.1 | -24.2 | 3.9 | * | Cmastar |
| ST274 Theta | Theta CMA | 06 54.2 | -12 | 4.1 | * | Cma | star |
| ST275 38 | THOIC OWN | 06 54.6 | +13 11 | 4.7 | 7" | Gem | colored double star |
| ST276 Mu | 997 | 06 56.1 | -14 02 | 5.3 | 2.8" | Cma | double star magnitude contrast |
| ST277 BG | BG MON | 06 56.4 | +07.1 | 9.2 | * | Mon | variable star |
| ST277 BG ST278 O 80 | O. Struve (P) | | 06 58.1 | +14.2 | | 2' | Gemasterism |
| ST278 O 80 ST279 RV | RV MON | 06 58.4 | +06.2 | +14.2 7 | 1.3 * | Z Mon | variable star |
| | | | | | | | |
| ST280 Epsilon | Epsilon CMA | | -29 | 1.5 | 7.5" * | Cma | double star |
| ST281 Sigma | Sigma CMA | 07 01.7 | -27.9 | 3.5 | | Cma * | star |
| ST282 Omicron2 | Omicron2 CM | | 07 03.0 | -23.8 | 3 | | Cmastar |
| ST283 Dunlop38 | Dunlop 38 | 07 04.0 | -43.6 | 5.6 | 20.5" | Pup | double star |
| ST284 Zeta | Zeta GEM | 07 04.1 | +20.6 | 3.7 | * | Gem | variable star |
| ST285 1009 | | 07 05.7 | +52 45 | 6.9 | 4.1" | Lyn | double star equal magnitude |
| ST286 R | R GEM | 07 07.4 | +22.7 | 6 | * | Gem | variable star |
| ST287 W | | 07 08.1 | -11 55 | 6.4 | Stellar | CMa | red variable star |
| ST288 Gamma | Gamma VOL | 07 08.8 | | | | | |
| ST289 Tau | | | -70.5 | 4 | 13.6" | Vol | double star |
| CT200 102E | Tau GEM | 07 11.1 | +30.2 | 4 4.4 | 1.9" | Vol Gem | double star |
| ST290 1035 | | 07 12.0 | | | 1.9" 4" | | double star double star equal magnitude |
| ST290 1035 ST291 1037 | Tau GEM Struve 1037 | | +30.2 | 4.4 | 1.9" | Gem | double star |
| ST291 1037 ST292 Omega | | 07 12.0 07 12.8 | +30.2 +22 17 | 4.4 8.2 | 1.9" 4" | Gem Gem | double star double star equal magnitude |
| ST291 1037 | Struve 1037 | 07 12.0 07 12.8 | +30.2 +22 17 +27.2 | 4.4 8.2 7.2 | 1.9" 4" 1.3" | Gem Gem Gem | double star double star equal magnitude double star challenge |
| ST291 1037 ST292 Omega | Struve 1037 | 07 12.0 07 12.8 07 14.8 | +30.2 +22.17 +27.2 -26.8 | 4.4 8.2 7.2 3.9 | 1.9" 4" 1.3" | Gem Gem Gem Cma | double star double star equal magnitude double star challenge star colored double star triple star |
| ST291 1037 ST292 Omega ST293 h3945 | Struve 1037 Omega CMA | 07 12.0 07 12.8 07 14.8 07 16.6 | +30.2 +22 17 +27.2 -26.8 -23 19 | 4.4 8.2 7.2 3.9 4.5 | 1.9" 4" 1.3" * | Gem Gem Gem Cma CMa | double star double star equal magnitude double star challenge star colored double star |
| ST291 1037 ST292 Omega ST293 h3945 ST294 Tau | Struve 1037 Omega CMA h 3948 | 07 12.0 07 12.8 07 14.8 07 16.6 07 18.7 | +30.2 +22 17 +27.2 -26.8 -23 19 -24 57 | 4.4 8.2 7.2 3.9 4.5 4.4 | 1.9" 4" 1.3" * 27" 15" | Gem Gem Gem Cma CMa CMa | double star double star equal magnitude double star challenge star colored double star triple star |
| ST291 1037 ST292 Omega ST293 h3945 ST294 Tau ST295 Delta | Struve 1037 Omega CMA h 3948 55 Gem | 07 12.0 07 12.8 07 14.8 07 16.6 07 18.7 07 20.1 07 22.9 | +30.2 +22 17 +27.2 -26.8 -23 19 -24 57 +21 59 | 4.4 8.2 7.2 3.9 4.5 4.4 3.5 | 1.9" 4" 1.3" * 27" 15" 6" | Gem Gem Cma CMa CMa Gem | double star double star equal magnitude double star challenge star colored double star triple star double star magnitude contrast |
| ST291 1037 ST292 Omega ST293 h3945 ST294 Tau ST295 Delta ST296 19 ST297 Gamma | Struve 1037 Omega CMA h 3948 55 Gem 1062 Gamma CMI | 07 12.0 07 12.8 07 14.8 07 16.6 07 18.7 07 20.1 07 22.9 | +30.2 +22.17 +27.2 -26.8 -23.19 -24.57 +21.59 +55.17 | 4.4 8.2 7.2 3.9 4.5 4.4 3.5 5.6 | 1.9" 4" 1.3" * 27" 15" 6" | Gem Gem Cma CMa CMa Gem Lyn Cmi | double star double star equal magnitude double star challenge star colored double star triple star double star magnitude contrast triple star |
| ST291 1037 ST292 Omega ST293 h3945 ST294 Tau ST295 Delta ST296 19 | Struve 1037 Omega CMA h 3948 55 Gem 1062 Gamma CMI Sigma PUP | 07 12.0 07 12.8 07 14.8 07 16.6 07 18.7 07 20.1 07 22.9 07 28.2 07 29.2 | +30.2 +22 17 +27.2 -26.8 -23 19 -24 57 +21 59 +55 17 +08.9 -43.3 | 4.4 8.2 7.2 3.9 4.5 4.4 3.5 5.6 4.3 3.3 | 1.9" 4" 1.3" 27" 15" 6" 15" * | Gem Gem Gem Cma CMa CMa Gem Lyn Cmi Pup | double star double star equal magnitude double star challenge star colored double star triple star double star magnitude contrast triple star star double star |
| ST291 1037 ST292 Omega ST293 h3945 ST294 Tau ST295 Delta ST296 19 ST297 Gamma ST298 Sigma ST299 1093 | Struve 1037 Omega CMA h 3948 55 Gem 1062 Gamma CMI Sigma PUP Struve 1093 | 07 12.0 07 12.8 07 14.8 07 16.6 07 18.7 07 20.1 07 22.9 07 28.2 07 29.2 07 30.3 | +30.2 +22 17 +27.2 -26.8 -23 19 -24 57 +21 59 +55 17 +08.9 -43.3 +50.0 | 4.4 8.2 7.2 3.9 4.5 4.4 3.5 5.6 4.3 3.3 8.8 | 1.9" 4" 1.3" 27" 15" 6" 15" * 22" 0.8" | Gem Gem Cma CMa CMa Gem Lyn Cmi Pup Lyn | double star double star equal magnitude double star challenge star colored double star triple star double star magnitude contrast triple star star double star double star double star double star challenge |
| ST291 1037 ST292 Omega ST293 h3945 ST294 Tau ST295 Delta ST296 19 ST297 Gamma ST298 Sigma ST299 1093 ST300 n | Struve 1037 Omega CMA h 3948 55 Gem 1062 Gamma CMI Sigma PUP Struve 1093 HN19, h269 | 07 12.0 07 12.8 07 14.8 07 16.6 07 18.7 07 20.1 07 22.9 07 28.2 07 29.2 07 30.3 07 34.3 | +30.2 +22 17 +27.2 -26.8 -23 19 -24 57 +21 59 +55 17 +08.9 -43.3 +50.0 -23 28 | 4.4 8.2 7.2 3.9 4.5 4.4 3.5 5.6 4.3 3.3 8.8 5.1 | 1.9" 4" 1.3" * 27" 15" 6" 15" * 22" 0.8" 10" | Gem Gem Cma CMa CMa Gem Lyn Cmi Pup Lyn Pup | double star double star equal magnitude double star challenge star colored double star triple star double star magnitude contrast triple star star double star double star double star challenge double star equal magnitude |
| ST291 1037 ST292 Omega ST293 h3945 ST294 Tau ST295 Delta ST296 19 ST297 Gamma ST298 Sigma ST299 1093 ST300 n ST301 Castor | Struve 1037 Omega CMA h 3948 55 Gem 1062 Gamma CMI Sigma PUP Struve 1093 HN19, h269 Alpha GEM | 07 12.0 07 12.8 07 14.8 07 16.6 07 18.7 07 20.1 07 22.9 07 28.2 07 29.2 07 30.3 07 34.3 07 34.6 | +30.2 +22 17 +27.2 -26.8 -23 19 -24 57 +21 59 +55 17 +08.9 -43.3 +50.0 -23 28 +31.9 | 4.4 8.2 7.2 3.9 4.5 4.4 3.5 5.6 4.3 3.3 8.8 5.1 | 1.9" 4" 1.3" * 27" 15" 6" 15" * 22" 0.8" 10" 1.8" | Gem Gem Gem Cma CMa CMa Gem Lyn Cmi Pup Lyn Pup Gem | double star double star equal magnitude double star challenge star colored double star triple star double star magnitude contrast triple star star double star double star double star double star challenge double star equal magnitude double star challenge |
| ST291 1037 ST292 Omega ST293 h3945 ST294 Tau ST295 Delta ST296 19 ST297 Gamma ST298 Sigma ST299 1093 ST300 n ST301 Castor ST302 Upsilon | Struve 1037 Omega CMA h 3948 55 Gem 1062 Gamma CMI Sigma PUP Struve 1093 HN19, h269 | 07 12.0 07 12.8 07 14.8 07 16.6 07 18.7 07 20.1 07 22.9 07 28.2 07 29.2 07 30.3 07 34.3 07 34.6 07 35.9 | +30.2 +22 17 +27.2 -26.8 -23 19 -24 57 +21 59 +55 17 +08.9 -43.3 +50.0 -23 28 +31.9 +26.9 | 4.4 8.2 7.2 3.9 4.5 4.4 3.5 5.6 4.3 3.3 8.8 5.1 2 | 1.9" 4" 1.3" * 27" 15" 6" 15" * 22" 0.8" 10" 1.8" 2.5° | Gem Gem Gem Cma CMa CMa Gem Lyn Cmi Pup Lyn Pup Gem Gem | double star double star equal magnitude double star challenge star colored double star triple star double star magnitude contrast triple star double star double star double star challenge double star equal magnitude double star challenge red variable star |
| ST291 1037 ST292 Omega ST293 h3945 ST294 Tau ST295 Delta ST296 19 ST297 Gamma ST298 Sigma ST299 1093 ST300 n ST301 Castor ST302 Upsilon ST303 1121 | Struve 1037 Omega CMA h 3948 55 Gem 1062 Gamma CMI Sigma PUP Struve 1093 HN19, h269 Alpha GEM | 07 12.0 07 12.8 07 14.8 07 16.6 07 18.7 07 20.1 07 22.9 07 28.2 07 29.2 07 30.3 07 34.3 07 34.6 07 35.9 07 36.6 | +30.2 +22 17 +27.2 -26.8 -23 19 -24 57 +21 59 +55 17 +08.9 -43.3 +50.0 -23 28 +31.9 +26.9 -14 29 | 4.4 8.2 7.2 3.9 4.5 4.4 3.5 5.6 4.3 3.3 8.8 5.1 2 4.1 7.9 | 1.9" 4" 1.3" * 27" 15" 6" 15" * 22" 0.8" 10" 1.8" 2.5° 7" | Gem Gem Gem Cma CMa CMa Gem Lyn Cmi Pup Lyn Pup Gem Gem Pup | double star double star equal magnitude double star challenge star colored double star triple star double star magnitude contrast triple star star double star challenge double star challenge double star equal magnitude double star challenge red variable star double star |
| ST291 1037 ST292 Omega ST293 h3945 ST294 Tau ST295 Delta ST296 19 ST297 Gamma ST298 Sigma ST299 1093 ST300 n ST301 Castor ST302 Upsilon ST303 1121 ST304 K | Struve 1037 Omega CMA h 3948 55 Gem 1062 Gamma CMI Sigma PUP Struve 1093 HN19, h269 Alpha GEM Upsilon GEM | 07 12.0 07 12.8 07 14.8 07 16.6 07 18.7 07 20.1 07 22.9 07 28.2 07 29.2 07 30.3 07 34.3 07 34.6 07 35.9 07 36.6 07 38.8 | +30.2 +22 17 +27.2 -26.8 -23 19 -24 57 +21 59 +55 17 +08.9 -43.3 +50.0 -23 28 +31.9 +26.9 -14 29 -26 48 | 4.4 8.2 7.2 3.9 4.5 4.4 3.5 5.6 4.3 3.3 8.8 5.1 2 4.1 7.9 3.8 | 1.9" 4" 1.3" * 27" 15" 6" 15" * 22" 0.8" 10" 1.8" 2.5° 7" 10" | Gem Gem Gem Cma CMa CMa Gem Lyn Cmi Pup Lyn Pup Gem Gem Pup Pup | double star double star equal magnitude double star challenge star colored double star triple star double star magnitude contrast triple star star double star challenge double star challenge double star equal magnitude double star challenge red variable star double star equal magnitude double star equal magnitude double star equal magnitude |
| ST291 1037 ST292 Omega ST293 h3945 ST294 Tau ST295 Delta ST296 19 ST297 Gamma ST298 Sigma ST299 1093 ST300 n ST301 Castor ST302 Upsilon ST303 1121 ST304 K ST305 Procyon | Struve 1037 Omega CMA h 3948 55 Gem 1062 Gamma CMI Sigma PUP Struve 1093 HN19, h269 Alpha GEM Upsilon GEM | 07 12.0 07 12.8 07 14.8 07 16.6 07 18.7 07 20.1 07 22.9 07 28.2 07 29.2 07 30.3 07 34.3 07 34.6 07 35.9 07 36.6 07 38.8 07 39.3 | +30.2 +22 17 +27.2 -26.8 -23 19 -24 57 +21 59 +55 17 +08.9 -43.3 +50.0 -23 28 +31.9 +26.9 -14 29 -26 48 +05 14 | 4.4 8.2 7.2 3.9 4.5 4.4 3.5 5.6 4.3 3.3 8.8 5.1 2 4.1 7.9 3.8 0.4 | 1.9" 4" 1.3" * 27" 15" 6" 15" * 22" 0.8" 10" 1.8" 2.5° 7" 10" Stellar | Gem Gem Gem Cma CMa CMa Gem Lyn Cmi Pup Lyn Pup Gem Gem Pup Pup CMi | double star double star equal magnitude double star challenge star colored double star triple star double star magnitude contrast triple star star double star challenge double star challenge double star equal magnitude double star challenge red variable star double star equal magnitude double star equal magnitude star equal magnitude star |
| ST291 1037 ST292 Omega ST293 h3945 ST294 Tau ST295 Delta ST296 19 ST297 Gamma ST298 Sigma ST299 1093 ST300 n ST301 Castor ST302 Upsilon ST303 1121 ST304 K ST305 Procyon ST306 Kappa | Struve 1037 Omega CMA h 3948 55 Gem 1062 Gamma CMI Sigma PUP Struve 1093 HN19, h269 Alpha GEM Upsilon GEM | 07 12.0 07 12.8 07 14.8 07 16.6 07 18.7 07 20.1 07 22.9 07 28.2 07 30.3 07 34.3 07 34.6 07 35.9 07 36.6 07 38.8 07 39.3 07 44.4 | +30.2 +22 17 +27.2 -26.8 -23 19 -24 57 +21 59 +55 17 +08.9 -43.3 +50.0 -23 28 +31.9 +26.9 -14 29 -26 48 +05 14 +24 23 | 4.4 8.2 7.2 3.9 4.5 4.4 3.5 5.6 4.3 3.3 8.8 5.1 2 4.1 7.9 3.8 0.4 3.7 | 1.9" 4" 1.3" * 27" 15" 6" 15" * 22" 0.8" 10" 1.8" 2.5° 7" 10" Stellar 7" | Gem Gem Gem Cma CMa CMa Gem Lyn Cmi Pup Lyn Pup Gem Gem Pup Pup CMi Gem | double star double star equal magnitude double star challenge star colored double star triple star double star magnitude contrast triple star star double star challenge double star challenge double star equal magnitude double star equal magnitude double star equal magnitude star equal magnitude double star equal magnitude double star equal magnitude star double star magnitude contrast |
| ST291 1037 ST292 Omega ST293 h3945 ST294 Tau ST295 Delta ST296 19 ST297 Gamma ST298 Sigma ST299 1093 ST300 n ST301 Castor ST302 Upsilon ST303 1121 ST304 K ST305 Procyon ST306 Kappa ST307 2 | Struve 1037 Omega CMA h 3948 55 Gem 1062 Gamma CMI Sigma PUP Struve 1093 HN19, h269 Alpha GEM Upsilon GEM | 07 12.0 07 12.8 07 14.8 07 16.6 07 18.7 07 20.1 07 22.9 07 28.2 07 29.2 07 30.3 07 34.3 07 34.6 07 35.9 07 36.6 07 38.8 07 39.3 07 44.4 07 45.5 | +30.2 +22 17 +27.2 -26.8 -23 19 -24 57 +21 59 +55 17 +08.9 -43.3 +50.0 -23 28 +31.9 +26.9 -14 29 -26 48 +05 14 +24 23 -14 41 | 4.4 8.2 7.2 3.9 4.5 4.4 3.5 5.6 4.3 3.3 8.8 5.1 2 4.1 7.9 3.8 0.4 3.7 6.1 | 1.9" 4" 1.3" * 27" 15" 6" 15" * 22" 0.8" 10" 1.8" 2.5° 7" 10" Stellar 7" 17" | Gem Gem Gem Cma CMa CMa Gem Lyn Cmi Pup Lyn Pup Gem Gem Pup Pup CMi Gem Pup | double star double star equal magnitude double star challenge star colored double star triple star double star magnitude contrast triple star star double star challenge double star challenge double star challenge red variable star double star equal magnitude double star equal magnitude star double star magnitude contrast double star equal magnitude |
| ST291 1037 ST292 Omega ST293 h3945 ST294 Tau ST295 Delta ST296 19 ST297 Gamma ST298 Sigma ST299 1093 ST300 n ST301 Castor ST302 Upsilon ST303 1121 ST304 K ST305 Procyon ST306 Kappa ST307 2 ST308 1127 | Struve 1037 Omega CMA h 3948 55 Gem 1062 Gamma CMI Sigma PUP Struve 1093 HN19, h269 Alpha GEM Upsilon GEM | 07 12.0 07 12.8 07 14.8 07 16.6 07 18.7 07 20.1 07 22.9 07 28.2 07 29.2 07 30.3 07 34.3 07 34.6 07 35.9 07 36.6 07 38.8 07 39.3 07 44.4 07 45.5 07 47.0 | +30.2 +22 17 +27.2 -26.8 -23 19 -24 57 +21 59 +55 17 +08.9 -43.3 +50.0 -23 28 +31.9 +26.9 -14 29 -26 48 +05 14 +24 23 -14 41 +64 03 | 4.4 8.2 7.2 3.9 4.5 4.4 3.5 5.6 4.3 3.3 8.8 5.1 2 4.1 7.9 3.8 0.4 3.7 6.1 7 | 1.9" 4" 1.3" * 27" 15" 6" 15" * 22" 0.8" 10" 1.8" 2.5° 7" 10" Stellar 7" 17" 5" | Gem Gem Gem Cma CMa CMa Gem Lyn Cmi Pup Lyn Pup Gem Gem Pup Pup CMi Gem Pup CMi Gem Pup Cam | double star double star equal magnitude double star challenge star colored double star triple star double star magnitude contrast triple star star double star challenge double star challenge double star equal magnitude double star equal magnitude double star equal magnitude double star equal magnitude star double star equal magnitude star double star equal magnitude star double star magnitude contrast double star equal magnitude triple star |
| ST291 1037 ST292 Omega ST293 h3945 ST294 Tau ST295 Delta ST296 19 ST297 Gamma ST298 Sigma ST299 1093 ST300 n ST301 Castor ST302 Upsilon ST303 1121 ST304 K ST305 Procyon ST306 Kappa ST307 2 ST308 1127 ST309 1149 | Struve 1037 Omega CMA h 3948 55 Gem 1062 Gamma CMI Sigma PUP Struve 1093 HN19, h269 Alpha GEM Upsilon GEM | 07 12.0 07 12.8 07 14.8 07 16.6 07 18.7 07 20.1 07 22.9 07 28.2 07 29.2 07 30.3 07 34.3 07 34.6 07 35.9 07 36.6 07 38.8 07 39.3 07 44.4 07 45.5 07 47.0 07 49.4 | +30.2 +22 17 +27.2 -26.8 -23 19 -24 57 +21 59 +55 17 +08.9 -43.3 +50.0 -23 28 +31.9 +26.9 -14 29 -26 48 +05 14 +24 23 -14 41 +64 03 +03 13 | 4.4 8.2 7.2 3.9 4.5 4.4 3.5 5.6 4.3 3.3 8.8 5.1 2 4.1 7.9 3.8 0.4 3.7 6.1 7 | 1.9" 4" 1.3" * 27" 15" 6" 15" * 22" 0.8" 10" 1.8" 2.5° 7" 10" Stellar 7" 17" 5" 22" | Gem Gem Gem Cma CMa CMa Gem Lyn Cmi Pup Lyn Pup Gem Gem Pup Pup CMi Gem Pup CMi Gem Pup CMi Gem Cmi | double star double star equal magnitude double star challenge star colored double star triple star double star magnitude contrast triple star star double star challenge double star challenge double star equal magnitude double star equal magnitude double star equal magnitude star equal magnitude double star equal magnitude star double star equal magnitude star double star magnitude contrast double star equal magnitude triple star double star |
| ST291 1037 ST292 Omega ST293 h3945 ST294 Tau ST295 Delta ST296 19 ST297 Gamma ST298 Sigma ST299 1093 ST300 n ST301 Castor ST302 Upsilon ST303 1121 ST304 K ST305 Procyon ST306 Kappa ST307 2 ST308 1127 ST309 1149 ST310 U | Struve 1037 Omega CMA h 3948 55 Gem 1062 Gamma CMI Sigma PUP Struve 1093 HN19, h269 Alpha GEM Upsilon GEM Alpha CMi O 179 1138 | 07 12.0 07 12.8 07 14.8 07 16.6 07 18.7 07 20.1 07 22.9 07 28.2 07 29.2 07 30.3 07 34.3 07 34.6 07 35.9 07 36.6 07 38.8 07 39.3 07 44.4 07 45.5 07 47.0 07 49.4 07 55.1 | +30.2 +22 17 +27.2 -26.8 -23 19 -24 57 +21 59 +55 17 +08.9 -43.3 +50.0 -23 28 +31.9 +26.9 -14 29 -26 48 +05 14 +24 23 -14 41 +64 03 +03 13 +22 00 | 4.4 8.2 7.2 3.9 4.5 4.4 3.5 5.6 4.3 3.3 8.8 5.1 2 4.1 7.9 3.8 0.4 3.7 6.1 7 | 1.9" 4" 1.3" * 27" 15" 6" 15" * 22" 0.8" 10" 1.8" 2.5° 7" 10" Stellar 7" 5" 22" Stellar | Gem Gem Gem Cma CMa CMa Gem Lyn Cmi Pup Lyn Pup Gem Gem Pup Pup CMi Gem Pup Cmi Gem Cmi Gem | double star double star equal magnitude double star challenge star colored double star triple star double star magnitude contrast triple star star double star challenge double star challenge double star equal magnitude double star equal magnitude double star equal magnitude star equal magnitude double star equal magnitude star double star equal magnitude triple star double star |
| ST291 1037 ST292 Omega ST293 h3945 ST294 Tau ST295 Delta ST296 19 ST297 Gamma ST298 Sigma ST299 1093 ST300 n ST301 Castor ST302 Upsilon ST303 1121 ST304 K ST305 Procyon ST306 Kappa ST307 2 ST308 1127 ST309 1149 ST310 U ST311 Chi | Struve 1037 Omega CMA h 3948 55 Gem 1062 Gamma CMI Sigma PUP Struve 1093 HN19, h269 Alpha GEM Upsilon GEM Alpha CMi O 179 1138 | 07 12.0 07 12.8 07 14.8 07 16.6 07 18.7 07 20.1 07 22.9 07 28.2 07 29.2 07 30.3 07 34.3 07 34.6 07 35.9 07 36.6 07 38.8 07 39.3 07 44.4 07 45.5 07 47.0 07 49.4 07 55.1 07 56.8 | +30.2 +22 17 +27.2 -26.8 -23 19 -24 57 +21 59 +55 17 +08.9 -43.3 +50.0 -23 28 +31.9 +26.9 -14 29 -26 48 +05 14 +24 23 -14 41 +64 03 +03 13 +22 00 -53 | 4.4 8.2 7.2 3.9 4.5 4.4 3.5 5.6 4.3 3.3 8.8 5.1 2 4.1 7.9 3.8 0.4 3.7 6.1 7 7.9 8.2 3.5 | 1.9" 4" 1.3" * 27" 15" 6" 15" * 22" 0.8" 10" 1.8" 2.5° 7" 10" Stellar 7" 17" 5" 22" Stellar 4° | Gem Gem Gem Cma CMa CMa Gem Lyn Cmi Pup Lyn Pup Gem Pup Comi Gem Pup Comi Gem Pup Cam Cam Car | double star double star equal magnitude double star challenge star colored double star triple star double star magnitude contrast triple star star double star challenge double star challenge double star equal magnitude double star equal magnitude double star equal magnitude star equal magnitude double star equal magnitude touble star equal magnitude star double star magnitude contrast double star equal magnitude triple star double star variable star variable star |
| ST291 1037 ST292 Omega ST293 h3945 ST294 Tau ST295 Delta ST296 19 ST297 Gamma ST298 Sigma ST299 1093 ST300 n ST301 Castor ST302 Upsilon ST303 1121 ST304 K ST305 Procyon ST306 Kappa ST307 2 ST308 1127 ST309 1149 ST310 U ST311 Chi ST312 Dunlop59 | Struve 1037 Omega CMA h 3948 55 Gem 1062 Gamma CMI Sigma PUP Struve 1093 HN19, h269 Alpha GEM Upsilon GEM Alpha CMi O 179 1138 | 07 12.0 07 12.8 07 14.8 07 16.6 07 18.7 07 20.1 07 22.9 07 28.2 07 29.2 07 30.3 07 34.3 07 34.6 07 35.9 07 36.6 07 38.8 07 39.3 07 44.4 07 45.5 07 47.0 07 49.4 07 55.1 07 56.8 07 59.2 | +30.2 +22 17 +27.2 -26.8 -23 19 -24 57 +21 59 +55 17 +08.9 -43.3 +50.0 -23 28 +31.9 +26.9 -14 29 -26 48 +05 14 +24 23 -14 41 +64 03 +03 13 +22 00 -53 -50 | 4.4 8.2 7.2 3.9 4.5 5.6 4.3 3.3 8.8 5.1 2 4.1 7.9 3.8 0.4 3.7 6.1 7 7.9 8.2 3.5 6.5 | 1.9" 4" 1.3" * 27" 15" 6" 15" * 22" 0.8" 10" 1.8" 2.5° 7" 10" Stellar 7" 17" 5" 22" Stellar 4° 16" | Gem Gem Gem Cma CMa CMa Gem Lyn Cmi Pup Lyn Pup Gem Gem Pup CMi Gem Pup CMi Gem Pup CMi Gem Pup Cam Cmi Gem Car Pup | double star double star equal magnitude double star challenge star colored double star triple star double star magnitude contrast triple star double star challenge double star challenge double star equal magnitude double star challenge red variable star double star equal magnitude double star equal magnitude star double star equal magnitude triple star double star variable star star double star |
| ST291 1037 ST292 Omega ST293 h3945 ST294 Tau ST295 Delta ST296 19 ST297 Gamma ST298 Sigma ST299 1093 ST300 n ST301 Castor ST302 Upsilon ST303 1121 ST304 K ST305 Procyon ST306 Kappa ST307 2 ST308 1127 ST309 1149 ST311 Chi ST311 Chi ST312 Dunlop59 ST313 S-h86 | Struve 1037 Omega CMA h 3948 55 Gem 1062 Gamma CMI Sigma PUP Struve 1093 HN19, h269 Alpha GEM Upsilon GEM Alpha CMi O 179 1138 Chi CAR Dunlop 59 S-h 86 | 07 12.0 07 12.8 07 14.8 07 16.6 07 18.7 07 20.1 07 22.9 07 28.2 07 29.2 07 30.3 07 34.3 07 34.6 07 35.9 07 36.6 07 38.8 07 39.3 07 44.4 07 45.5 07 47.0 07 49.4 07 55.1 07 56.8 07 59.2 08 02.5 | +30.2 +22 17 +27.2 -26.8 -23 19 -24 57 +21 59 +55 17 +08.9 -43.3 +50.0 -23 28 +31.9 +26.9 -14 29 -26 48 +05 14 +24 23 -14 41 +64 03 +03 13 +22 00 -53 -50 +63.1 | 4.4 8.2 7.2 3.9 4.5 5.6 4.3 3.3 8.8 5.1 2 4.1 7.9 3.8 0.4 3.7 6.1 7 7.9 8.2 3.5 6.5 6.5 | 1.9" 4" 1.3" * 27" 15" 6" 15" * 22" 0.8" 10" 1.8" 2.5° 7" 10" Stellar 7" 17" 55" 22" Stellar 4° 16" 49" | Gem Gem Gem Cma CMa CMa Gem Lyn Cmi Pup Lyn Pup Gem Pup CMi Gem Pup CMi Gem Pup Cam Cmi Car Pup Cam | double star double star equal magnitude double star challenge star colored double star triple star double star magnitude contrast triple star double star challenge double star challenge double star challenge double star equal magnitude double star equal magnitude double star equal magnitude double star equal magnitude star double star equal magnitude triple star double star variable star star double star |
| ST291 1037 ST292 Omega ST293 h3945 ST294 Tau ST295 Delta ST296 19 ST297 Gamma ST298 Sigma ST299 1093 ST300 n ST301 Castor ST302 Upsilon ST303 1121 ST304 K ST305 Procyon ST306 Kappa ST307 2 ST308 1127 ST309 1149 ST311 Chi ST311 Chi ST312 Dunlop59 ST313 S-h86 ST314 Zeta | Struve 1037 Omega CMA h 3948 55 Gem 1062 Gamma CMI Sigma PUP Struve 1093 HN19, h269 Alpha GEM Upsilon GEM Upsilon GEM O 179 1138 Chi CAR Dunlop 59 S-h 86 Zeta PUP | 07 12.0 07 12.8 07 14.8 07 16.6 07 18.7 07 20.1 07 22.9 07 28.2 07 29.2 07 30.3 07 34.3 07 34.6 07 35.9 07 36.6 07 38.8 07 39.3 07 44.4 07 45.5 07 47.0 07 49.4 07 55.1 07 56.8 07 59.2 08 02.5 08 03.6 | +30.2 +22 17 +27.2 -26.8 -23 19 -24 57 +21 59 +55 17 +08.9 -43.3 +50.0 -23 28 +31.9 +26.9 -14 29 -26 48 +05 14 +24 23 -14 41 +64 03 +03 13 +22 00 -53 -50 +63.1 -40 | 4.4 8.2 7.2 3.9 4.5 4.4 3.5 5.6 4.3 3.3 8.8 5.1 2 4.1 7.9 3.8 0.4 3.7 6.1 7 7.9 8.2 3.5 6.5 6 2.3 | 1.9" 4" 1.3" * 27" 15" 6" 15" * 22" 0.8" 10" 1.8" 2.5° 7" 10" Stellar 7" 17" 5" 522" Stellar 4° 16" 49" | Gem Gem Gem Cma CMa CMa Gem Lyn Cmi Pup Lyn Pup Gem Pup CMi Gem Pup Cam Cmi Car Pup Cam Pup | double star double star equal magnitude double star challenge star colored double star triple star double star magnitude contrast triple star double star challenge double star challenge double star equal magnitude double star challenge red variable star double star equal magnitude double star equal magnitude star double star equal magnitude triple star double star variable star star double star double star |
| ST291 1037 ST292 Omega ST293 h3945 ST294 Tau ST295 Delta ST296 19 ST297 Gamma ST298 Sigma ST299 1093 ST300 n ST301 Castor ST302 Upsilon ST303 1121 ST304 K ST305 Procyon ST306 Kappa ST307 2 ST308 1127 ST309 1149 ST311 Chi ST311 Chi ST312 Dunlop59 ST313 S-h86 | Struve 1037 Omega CMA h 3948 55 Gem 1062 Gamma CMI Sigma PUP Struve 1093 HN19, h269 Alpha GEM Upsilon GEM Alpha CMi O 179 1138 Chi CAR Dunlop 59 S-h 86 | 07 12.0 07 12.8 07 14.8 07 16.6 07 18.7 07 20.1 07 22.9 07 28.2 07 29.2 07 30.3 07 34.3 07 34.6 07 35.9 07 36.6 07 38.8 07 39.3 07 44.4 07 45.5 07 47.0 07 49.4 07 55.1 07 56.8 07 59.2 08 02.5 | +30.2 +22 17 +27.2 -26.8 -23 19 -24 57 +21 59 +55 17 +08.9 -43.3 +50.0 -23 28 +31.9 +26.9 -14 29 -26 48 +05 14 +24 23 -14 41 +64 03 +03 13 +22 00 -53 -50 +63.1 | 4.4 8.2 7.2 3.9 4.5 5.6 4.3 3.3 8.8 5.1 2 4.1 7.9 3.8 0.4 3.7 6.1 7 7.9 8.2 3.5 6.5 6.5 | 1.9" 4" 1.3" * 27" 15" 6" 15" * 22" 0.8" 10" 1.8" 2.5° 7" 10" Stellar 7" 17" 55" 22" Stellar 4° 16" 49" | Gem Gem Gem Cma CMa CMa Gem Lyn Cmi Pup Lyn Pup Gem Pup CMi Gem Pup CMi Gem Pup Cam Cmi Car Pup Cam | double star double star equal magnitude double star challenge star colored double star triple star double star magnitude contrast triple star double star challenge double star challenge double star challenge double star equal magnitude double star equal magnitude double star equal magnitude double star equal magnitude star double star equal magnitude triple star double star variable star star double star |

| CT047 | Facilian | F==:l== \/Ol | 00.07.0 | 00.0 | 4.4 | CII | 1/21 | daulda atau |
|---|---|--|--|---|---|---|---|---|
| | Epsilon | Epsilon VOL | 08 07.9 | -68.6 | 4.4 | 6" | Vol | double star |
| ST318 | Gamma | Gamma VEL | 08 09.5 | -47.3 | 1.9 | 41" | Vel | double star |
| ST319 | Zeta | | 08 12.2 | +17 39 | 4.7 | 0.6" | Cnc | triple star challenge |
| ST320 | C | c CAR | 08 15.3 | -62.9 | 5.3 | 4" | Car | double star |
| ST321 | | Beta CNC | 08 16.5 | +09.2 | 3.5 | * | Cnc | star |
| | | | | | | | | |
| ST322 | | R CNC | 08 16.6 | +11.7 | 6.1 | * | Cnc | variable star |
| ST323 | Kappa | Kappa VOL | 08 19.8 | -71.5 | 5.4 | 65" | Vol | double star |
| ST324 | | AC PUP | 08 22.7 | -15.9 | 8.9 | * | Pup | variable star |
| ST325 | | 31 LYN | 08 22.8 | +43.2 | 4.3 | 15° | | |
| | | | | | | | Lyn | star |
| ST326 | Beta | Beta VOL | 08 25.7 | -66.1 | 3.8 | 6° | Vol | star |
| ST327 | h4903 | h4903 | 08 26.3 | -39.1 | 6.5 | 8" | Pup | double star |
| ST328 | | 1224 | 08 26.7 | +24 32 | 7.1 | 6" | Cnc | double star |
| | | | | | | | | |
| ST329 | | 1223 | 08 26.7 | +26 56 | 6.3 | 5" | Cnc | double star equal magnitude |
| ST330 | h4104 | h4104 | 08 29.1 | -47.9 | 5.5 | 3.6" | Vel | double star |
| ST331 | 70 | | 08 29.5 | -44 44 | 5 | 5" | Vel | double star |
| ST332 | | | 08 31.4 | -39 04 | 6.4 | 4" | Vel | |
| | | | | | | | | triple star |
| ST333 | 1245 | | 08 35.8 | +06 37 | 6 | 10" | Cnc | double star |
| ST334 | Sigma | Sigma HYA | 08 38.8 | +03.3 | 4.4 | * | Hya | star |
| ST335 | | h4128 | 08 39.2 | -60.3 | 6.9 | 1.4" | Car | double star challenge |
| | | 11-1120 | | | | | | |
| ST336 | 1254 | | 08 40.4 | +19 40 | 6.4 | 21" | Cnc | quadruple star |
| ST337 | Alpha | Alpha PYX | 08 43.6 | -33.2 | 3.7 | * | Pyx | star |
| ST338 | Delta | Delta VEL | 08 44.7 | -54.7 | 2.1 | 2.6" | Vel | double star |
| ST339 | 1270 | ADS 6977 | 08 45.3 | -2.6 | 6.4 | 5" | Hya | double star |
| | | | | | | | | |
| ST340 | | 1268 | 08 46.7 | +28 46 | 4 | 30" | Cnc | colored double star |
| ST341 | Epsilon | | 08 46.8 | +06 25 | 3.4 | 3" | Hyd | double star magnitude contrast |
| ST342 | 1282 | | 08 50.8 | +35 03 | 7.5 | 4" | Lyn | double star equal magnitude |
| ST343 | | X CNC | | | | * | | |
| | | | 08 55.4 | +17.2 | 5.6 | | Cnc | variable star |
| ST344 | 66 | 1298 | 09 01.4 | +32 15 | 5.9 | 5" | Cnc | double star |
| ST345 | Rho | Rho UMA | 09 02.5 | +67.6 | 4.8 | 1° | Uma | star |
| ST346 | 1311 | | 09 07.5 | +22 59 | 6.9 | 8" | Cnc | double star equal magnitude |
| | | | | | | | | |
| ST347 | | Lambda Vel | 09 08.0 | -43 26 | 2.2 | Stellar | Vel | star |
| ST348 | Sigma2 | | 09 10.4 | +67 08 | 4.8 | 4" | Uma | double star magnitude contrast |
| ST349 | a | a CAR | 09 11.0 | -59 | 3.4 | 50' | Car | star |
| | | h4188 | | -43.6 | 6.7 | 2.7" | Vel | |
| ST350 | | 114 1 00 | 09 12.5 | | | | | double star |
| ST351 | h4191 | | 09 14.4 | -43 13 | 5.2 | 6" | Vel | double star magnitude contrast |
| ST352 | 1321 | | 09 14.9 | +52 42 | 8.1 | 18" | Uma | double star equal magnitude |
| ST353 | | g CAR | 09 16.2 | -57.5 | 4.3 | 5' | Car | star |
| | | | | | | * | | |
| ST354 | | RT UMA | 09 18.4 | +51.4 | 8.6 | | Uma | variable star |
| ST355 | 38 | 1334 | 09 18.8 | +36 48 | 3.9 | 3" | Lyn | double star challenge |
| ST356 | 1338 | | 09 21.0 | +38 11 | 6.6 | 1" | Lyn | double star challenge |
| ST357 | | Alpha LYN | 09 21.1 | +34.4 | 3.1 | * | . • | star |
| | | | | | | | Lyn | |
| ST358 | Kappa | Kappa VEL | 09 22.1 | -55 | 2.5 | * | Vel | star |
| ST359 | 1347 | | 09 23.3 | +03 30 | 7.2 | 21" | Hya | double star |
| ST360 | | Kappa LEO | 09 24.7 | +26.2 | 4.5 | 2.1" | Leo | triple star |
| | | Nappa LLO | | | | | | • |
| ST361 | 1355 | | 09 27.3 | +06 14 | 7.5 | 2.3" | Hya | double star equal magnitude |
| | Alphard | Alpha Hya | 09 27.6 | -08 40 | 2 | Stellar | Hya | star |
| ST363 | Omega | Omega LEO | 09 28.5 | +09.1 | 5.9 | 0.5" | Leo | double star challenge |
| | Dunlop76 | Dunlop 76 | 09 28.6 | -45.5 | 7.8 | 61" | Vel | double star |
| ST365 | 1360 | Darnop 10 | 09 30.6 | +10 35 | 8.3 | 14" | | |
| | | | | | | | Leo | double star equal magnitude |
| ST366 | Zeta | | 09 30.8 | -31 53 | 5.8 | 8" | Ant | double star |
| ST367 | N | N VEL | 09 31.2 | -57 | 3.1 | * | Vel | star |
| ST368 | 23 | 1351 | 09 31.5 | +63 03 | 3.8 | 23" | Uma | double star magnitude contrast |
| | Lambda | Lambda LEO | 09 31.7 | +23.0 | 4.3 | * | Leo | star |
| | | | | | | | | |
| ST370 | | R CAR | 09 32.2 | -62.8 | 3.8 | * | Car | variable star |
| ST371 | 1369 | Struve 1369 | 09 35.4 | +40.0 | 6.5 | 25" | Lyn | double star |
| ST372 | lota | Iota HYA | 09 39.9 | -1.1 | 3.9 | * | Hya | star |
| | Upsilon | Upsilon CAR | 09 47.1 | -65.1 | 3.1 | 5" | Car | double star |
| | | Opsilon CAN | | | | _ | | |
| ST374 | | | 09 47.6 | +11 26 | 4.4 | Stellar | Leo | red variable star |
| ST375 | W | W SEX | 09 51.0 | -2 | 9 | * | Sex | variable star |
| ST376 | | Y HYA | 09 51.1 | -23 | 8.3 | * | Hya | variable star |
| | • | | | | | * | - | |
| | Mil | | | | | | | |
| \$1378 | Mu | Mu LEO | 09 52.8 | +26.0 | 3.9 | | Leo | star |
| ST379 | Mu h4262 | Mu LEO ADS 7571 | 09 52.8 09 54.5 | +26.0 -12.9 | 3.9 8.7 | 8" | Hya | double star |
| ST380 | | | | | | 8" | | |
| 11.70() | h4262 Regulus | ADS 7571 Alpha Leo | 09 54.5 10 08.4 | -12.9 +11 58 | 8.7 1.4 | | Hya Leo | double star star |
| | h4262 Regulus S | ADS 7571 Alpha Leo S CAR | 09 54.5 10 08.4 10 09.4 | -12.9 +11 58 -61.6 | 8.7 1.4 4.5 | 8" Stellar | Hya Leo Car | double star star variable star |
| ST381 | h4262 Regulus S ADS7704 | ADS 7571 Alpha Leo S CAR ADS 7704 | 09 54.5 10 08.4 10 09.4 10 16.3 | -12.9 +11 58 -61.6 +17.7 | 8.7 1.4 4.5 7.2 | 8" Stellar * 1.4" | Hya Leo Car Leo | double star star variable star double star challenge |
| ST381 ST382 | h4262 Regulus S ADS7704 Zeta | ADS 7571 Alpha Leo S CAR ADS 7704 Zeta LEO | 09 54.5 10 08.4 10 09.4 | -12.9 +11 58 -61.6 +17.7 +23.4 | 8.7 1.4 4.5 | 8" Stellar * 1.4" 5.5' | Hya Leo Car Leo Leo | double star star variable star |
| ST381 ST382 | h4262 Regulus S ADS7704 Zeta | ADS 7571 Alpha Leo S CAR ADS 7704 Zeta LEO | 09 54.5 10 08.4 10 09.4 10 16.3 | -12.9 +11 58 -61.6 +17.7 | 8.7 1.4 4.5 7.2 | 8" Stellar * 1.4" | Hya Leo Car Leo | double star star variable star double star challenge |
| ST381 ST382 ST383 | h4262 Regulus S ADS7704 Zeta q | ADS 7571 Alpha Leo S CAR ADS 7704 Zeta LEO q CAR | 09 54.5 10 08.4 10 09.4 10 16.3 10 16.7 10 17.1 | -12.9 +11 58 -61.6 +17.7 +23.4 -61.3 | 8.7 1.4 4.5 7.2 3.4 3.4 | 8" Stellar * 1.4" 5.5' | Hya Leo Car Leo Leo Car | double star star variable star double star challenge double star star |
| ST381 ST382 ST383 ST384 | h4262 Regulus S ADS7704 Zeta q h4306 | ADS 7571 Alpha Leo S CAR ADS 7704 Zeta LEO q CAR h4306 | 09 54.5 10 08.4 10 09.4 10 16.3 10 16.7 10 17.1 10 19.1 | -12.9 +11 58 -61.6 +17.7 +23.4 -61.3 -64.7 | 8.7 1.4 4.5 7.2 3.4 3.4 5.6 | 8" Stellar * 1.4" 5.5' * 2.1" | Hya Leo Car Leo Leo Car Car | double star star variable star double star challenge double star star double star |
| ST381 ST382 ST383 ST384 ST385 | h4262 Regulus S ADS7704 Zeta q h4306 Algieba | ADS 7571 Alpha Leo S CAR ADS 7704 Zeta LEO q CAR h4306 Gamma LEO | 09 54.5 10 08.4 10 09.4 10 16.3 10 16.7 10 17.1 10 19.1 10 20.0 | -12.9 +11 58 -61.6 +17.7 +23.4 -61.3 -64.7 +19.8 | 8.7 1.4 4.5 7.2 3.4 3.4 5.6 2.5 | 8" Stellar * 1.4" 5.5' * 2.1" 4.4" | Hya Leo Car Leo Car Car Leo | double star star variable star double star challenge double star star double star double star |
| ST381 ST382 ST383 ST384 | h4262 Regulus S ADS7704 Zeta q h4306 Algieba | ADS 7571 Alpha Leo S CAR ADS 7704 Zeta LEO q CAR h4306 | 09 54.5 10 08.4 10 09.4 10 16.3 10 16.7 10 17.1 10 19.1 | -12.9 +11 58 -61.6 +17.7 +23.4 -61.3 -64.7 | 8.7 1.4 4.5 7.2 3.4 3.4 5.6 | 8" Stellar * 1.4" 5.5' * 2.1" | Hya Leo Car Leo Leo Car Car | double star star variable star double star challenge double star star double star |
| ST381 ST382 ST383 ST384 ST385 ST386 | h4262 Regulus S ADS7704 Zeta q h4306 Algieba Mu | ADS 7571 Alpha Leo S CAR ADS 7704 Zeta LEO q CAR h4306 Gamma LEO | 09 54.5 10 08.4 10 09.4 10 16.3 10 16.7 10 17.1 10 19.1 10 20.0 10 22.3 | -12.9 +11.58 -61.6 +17.7 +23.4 -61.3 -64.7 +19.8 +41.5 | 8.7 1.4 4.5 7.2 3.4 3.4 5.6 2.5 | 8" Stellar * 1.4" 5.5' * 2.1" 4.4" | Hya Leo Car Leo Car Car Car Leo Uma | double star star variable star double star challenge double star star double star double star |
| ST381 ST382 ST383 ST384 ST385 ST386 ST387 | h4262 Regulus S ADS7704 Zeta q h4306 Algieba Mu Mu | ADS 7571 Alpha Leo S CAR ADS 7704 Zeta LEO q CAR h4306 Gamma LEO Mu UMA Mu HYA | 09 54.5 10 08.4 10 09.4 10 16.3 10 16.7 10 17.1 10 19.1 10 20.0 10 22.3 10 26.1 | -12.9 +11.58 -61.6 +17.7 +23.4 -61.3 -64.7 +19.8 +41.5 -16.8 | 8.7 1.4 4.5 7.2 3.4 3.4 5.6 2.5 3 3.8 | 8" Stellar * 1.4" 5.5' * 2.1" 4.4" | Hya Leo Car Leo Leo Car Car Leo Uma Hya | double star star variable star double star challenge double star star double star double star star double star star |
| ST381 ST382 ST383 ST384 ST385 ST386 ST387 ST388 | h4262 Regulus S ADS7704 Zeta q h4306 Algieba Mu Mu Alpha | ADS 7571 Alpha Leo S CAR ADS 7704 Zeta LEO q CAR h4306 Gamma LEO Mu UMA Mu HYA Alpha ANT | 09 54.5 10 08.4 10 09.4 10 16.3 10 16.7 10 17.1 10 19.1 10 20.0 10 22.3 10 26.1 10 27.2 | -12.9 +11.58 -61.6 +17.7 +23.4 -61.3 -64.7 +19.8 +41.5 -16.8 -31.1 | 8.7 1.4 4.5 7.2 3.4 3.4 5.6 2.5 3 3.8 4.3 | 8" Stellar 1.4" 5.5' * 2.1" 4.4" * | Hya Leo Car Leo Car Car Leo Uma Hya Ant | double star star variable star double star challenge double star star double star double star star star star star star star |
| ST381 ST382 ST383 ST384 ST385 ST386 ST387 ST388 ST389 | h4262 Regulus S ADS7704 Zeta q h4306 Algieba Mu Mu Alpha 45 | ADS 7571 Alpha Leo S CAR ADS 7704 Zeta LEO q CAR h4306 Gamma LEO Mu UMA Mu HYA Alpha ANT 45 LEO | 09 54.5 10 08.4 10 09.4 10 16.3 10 16.7 10 17.1 10 19.1 10 20.0 10 22.3 10 26.1 10 27.2 10 27.6 | -12.9 +11.58 -61.6 +17.7 +23.4 -61.3 -64.7 +19.8 +41.5 -16.8 -31.1 +09.8 | 8.7 1.4 4.5 7.2 3.4 5.6 2.5 3 3.8 4.3 6 | 8" Stellar * 1.4" 5.5' * 2.1" 4.4" * * * 3.8" | Hya Leo Car Leo Car Car Leo Uma Hya Ant Leo | double star star variable star double star challenge double star star double star double star star star star star star star double star |
| ST381 ST382 ST383 ST384 ST385 ST386 ST387 ST388 | h4262 Regulus S ADS7704 Zeta q h4306 Algieba Mu Mu Alpha 45 | ADS 7571 Alpha Leo S CAR ADS 7704 Zeta LEO q CAR h4306 Gamma LEO Mu UMA Mu HYA Alpha ANT | 09 54.5 10 08.4 10 09.4 10 16.3 10 16.7 10 17.1 10 19.1 10 20.0 10 22.3 10 26.1 10 27.2 | -12.9 +11.58 -61.6 +17.7 +23.4 -61.3 -64.7 +19.8 +41.5 -16.8 -31.1 | 8.7 1.4 4.5 7.2 3.4 3.4 5.6 2.5 3 3.8 4.3 | 8" Stellar 1.4" 5.5' * 2.1" 4.4" * | Hya Leo Car Leo Car Car Leo Uma Hya Ant | double star star variable star double star challenge double star star double star double star star star star star star star |
| ST381 ST382 ST383 ST384 ST385 ST386 ST387 ST388 ST389 | h4262 Regulus S ADS7704 Zeta q h4306 Algieba Mu Mu Alpha 45 Delta | ADS 7571 Alpha Leo S CAR ADS 7704 Zeta LEO q CAR h4306 Gamma LEO Mu UMA Mu HYA Alpha ANT 45 LEO | 09 54.5 10 08.4 10 09.4 10 16.3 10 16.7 10 17.1 10 19.1 10 20.0 10 22.3 10 26.1 10 27.2 10 27.6 | -12.9 +11.58 -61.6 +17.7 +23.4 -61.3 -64.7 +19.8 +41.5 -16.8 -31.1 +09.8 | 8.7 1.4 4.5 7.2 3.4 5.6 2.5 3 3.8 4.3 6 | 8" Stellar * 1.4" 5.5' * 2.1" 4.4" * * * 3.8" | Hya Leo Car Leo Car Car Leo Uma Hya Ant Leo | double star star variable star double star challenge double star star double star double star star star star star star star double star |

| CT200 Dba | Db - 1 FO | 40.00.0 | .00.0 | 2.0 | * | 1 | -1 |
|----------------------------|------------------------|--------------------|-----------------|------------|------------|------------|--------------------------------|
| ST392 Rho | Rho LEO | 10 32.8 | +09.3 | 3.9 | | Leo | star |
| ST393 49 | | 10 35.0 | +08 39 | 5.7 | 2" | Leo | double star challenge |
| ST394 U | U ANT | 10 35.2 | -39.6 | 8.1 | * | Ant | variable star |
| ST395 Gamma | Gamma CHA | 10 35.5 | -78.6 | 4.1 | * | Cha | star |
| ST396 U | U HYA | 10 37.6 | -13.4 | 7 | * | Hya | variable star |
| ST397 Dunlop95 | Dunlop 95 | 10 39.3 | -55.6 | 4.3 | 52" | Vel | double star |
| ST398 35 | 1466 | 10 43.4 | +04 44 | 6.3 | 7" | Sex | double star |
| ST399 R | R UMA | 10 44.6 | +68.8 | 7.5 | * | Uma | variable star |
| ST400 VY | VY UMA | 10 45.1 | +67.4 | 5.9 | * | Uma | variable star |
| | | | | | | | |
| ST401 Delta | Delta CHA | 10 45.8 | -80.5 | 4.5 | 4.5' | Cha | double star |
| ST402 40 | 1476 | 10 49.3 | -04 01 | 6.9 | 2.5" | Sex | double star |
| ST403 Nu | Nu HYA | 10 49.6 | -16.2 | 3.1 | * | Hya | star |
| ST404 54 | 54 LEO | 10 55.6 | +24.8 | 4.5 | 6.8" | Leo | double star |
| ST405 SAO251342 | SAO 251342 | 11 17.5 | -63.5 | 7 | 7" | Car | double star magnitude contrast |
| ST406 Xi | Xi UMA | 11 18.2 | +31.5 | 4.5 | 1.3" | Uma | double star challenge |
| | | | | | | | |
| ST407 Nu | Nu UMA | 11 18.5 | +33.1 | 3.5 | 7" | Uma | double star |
| ST408 1529 | | 11 19.4 | -01 38 | 7 | 10" | Leo | double star |
| ST409 h4432 | h4432 | 11 23.4 | -65 | 5.1 | 2.3" | Mus | double star |
| ST410 lota | Iota LEO | 11 23.9 | +10.5 | 4 | 1.3" | Leo | double star challenge |
| ST411 83 | 1540 | 11 26.8 | +03 00 | 6.2 | 29" | Leo | triple star |
| ST412 Tau | Tau LEO | 11 27.9 | +02.9 | 5.5 | 1.5' | Leo | double star |
| ST413 Lambda | Lambda DRA | | +69.3 | 3.8 | 20' | | red variable star |
| | | _ | | | | Dra | |
| ST414 88 | 1547 | 11 31.8 | +14 21 | 6.4 | 16" | Leo | double star |
| ST415 N | | 11 32.3 | -29 16 | 5.8 | 9" | Hyd | double star equal magnitude |
| ST416 Innes78 | Innes 78 | 11 33.6 | -40.6 | 6 | 1" | Cen | double star challenge |
| ST417 1552 | 1552 | 11 34.7 | +16 48 | 6 | 3" | Leo | triple star |
| ST418 Nu | Nu VIR | 11 45.9 | +06.5 | 4 | * | Vir | star |
| ST419 Denebola | Beta Leo | 11 49.1 | +14 34 | 2.1 | Stellar | Leo | star |
| | | | | | | | |
| ST420 Beta | Beta HYA | 11 52.9 | -33.9 | 4.7 | 0.9" | Hya | colored double star |
| ST421 O 112 | O.Struve 112 | 11 54.6 | +19.4 | 8.4 | 73" | Leo | double star |
| ST422 65 | 1579 | 11 55.1 | +46 29 | 6.7 | 4" | Uma | double star |
| ST423 Epsilon | Epsilon CHA | 11 59.6 | -78.2 | 5.4 | 0.9" | Cha | colored double star |
| ST424 1593 | | 12 03.5 | -02 26 | 8.7 | 1.3" | Vir | double star challenge |
| ST425 Zeta | Zeta COM | 12 04.3 | +21.5 | 6 | 3.6" | Com | double star |
| | | | | | | | |
| ST426 Delta | Delta CEN | 12 08.4 | -50.7 | 2.6 | 4.5' | Cen | double star |
| ST427 1604 | | 12 09.5 | -11 51 | 6.6 | 10" | Crv | triple star |
| ST428 Epsilon | Epsilon CRV | 12 10.1 | -22.6 | 3 | * | Crv | star |
| ST429 Rumker14 | Rumker 14 | 12 14.0 | -45.7 | 5.6 | 2.9" | Cen | double star |
| ST430 Delta | Delta CRU | 12 15.1 | -58.7 | 2.8 | * | Cru | star |
| ST431 2 | 2 CVN | 12 16.1 | +40.7 | 6 | 11.5" | Cvn | colored double star |
| ST432 Epsilon | | 12 17.6 | -68 | 4.1 | * | Mus | red variable star |
| | Lpsilon Mos | | | | | | |
| ST433 1627 | | 12 18.1 | -03 56 | 6.6 | 20" | Vir | double star equal magnitude |
| ST434 R | R CRV | 12 19.6 | -19.3 | 6.7 | * | Crv | variable star |
| ST435 1633 | | 12 20.6 | +27 03 | 6.3 | 9" | Com | double star equal magnitude |
| ST436 Epsilon | Epsilon CRU | 12 21.4 | -60.4 | 3.6 | * | Cru | star |
| ST437 M40 | Winnecke 4 | 12 22.4 | +58 05 | 9 | 50" | UMa | double star |
| ST438 17 | 17 VIR | 12 22.5 | +05.3 | 6.5 | 21" | Vir | double star |
| | | | | | | | |
| ST439 1639 | Struve 1639 | 12 24.4 | +25.6 | 6.8 | 1.6" * | Com | double star challenge |
| ST440 S | S CEN | 12 24.6 | -49.4 | 9.2 | | Cen | variable star |
| ST441 SS | | 12 25.3 | +00 48 | 6 | Stellar | Vir | red variable star |
| ST442 Acrux | Alpha CRU | 12 26.6 | -63.1 | 1 | 4.4" | Cru | double star |
| ST443 3C273 | 3C 273 | 12 29.1 | +02.0 | 12.8 | * | Vir | asterism |
| ST444 Algorab | Delta CRV | 12 29.9 | -16.5 | 3 | 24" | Crv | double star |
| ST445 Gamma | Gamma CRU | | -57.1 | 1.6 | 110" | Cru | double star |
| | | | | | 15" | Vir | double star |
| | Struve 1649 | 12 31.6 | -11.1 | 8 | | | |
| ST447 24 | | 12 35.1 | +18 23 | 5 | 20" | CVn | colored double star |
| ST448 Alpha | Alpha MUS | 12 37.2 | -69.1 | 2.7 | * | Mus | star |
| ST449 ADS8612 | ADS 8612 | 12 37.7 | -27.1 | 5.5 | 1.3" | Hya | double star challenge |
| ST450 1669 | | 12 41.3 | -13 01 | 5.3 | 5" | Crv | double star equal magnitude |
| ST451 Gamma | Gamma CEN | | -49 | 2.2 | 1" | Cen | double star challenge |
| ST452 Porrima | Gamma VIR | 12 41.7 | -1.4 | 3.5 | 3" | Vir | double star |
| | Gaiiiiia viik | | | | | | |
| ST453 Y | | 12 45.1 | +45 26 | 7.4 | Stellar | CVn | red variable star |
| ST454 lota | lota CRU | 12 45.6 | -61 | 4.7 | 27" | Cru | double star |
| ST455 Beta | Beta MUS | 12 46.3 | -68.1 | 3.7 | 1.4" | Mus | double star challenge |
| ST456 Mimosa | Beta CRU | 12 47.7 | -59.7 | 1.3 | * | Cru | star |
| ST457 32 | 1694 | 12 49.2 | +83 25 | 5.3 | 22" | Cam | double star equal magnitude |
| ST458 35 | 1687 | 12 53.3 | +21 14 | 5.1 | 29" | Com | double star magnitude contrast |
| ST459 Mu | Mu CRU | 12 54.6 | -57.2 | 4.3 | 35" | Cru | double star |
| | | | | | 33 * | | |
| ST460 Delta | Delta VIR | 12 55.6 | +03.4 | 3.4 | | Vir | red variable star |
| ST461 Cor Caroli | Alpha CVN | 12 56.0 | +38.3 | 3 | 19" | Cvn | double star |
| ST462 RY | RY DRA | 12 56.4 | +66.0 | 6.8 | * | Dra | variable star |
| ST463 1699 | | | | | | | |
| | | 12 58.7 | +27 28 | 8.8 | 1.5" | Com | double star challenge |
| ST464 Delta | Delta MUS | 12 58.7 13 02.3 | +27 28 -71.5 | 8.8 3.6 | 1.5" 8' | Com Mus | double star challenge star |
| ST464 Delta ST465 Theta | Delta MUS Theta MUS | | | | | | <u> </u> |

| ST466 Theta | 51 Vir, 1724 | 13 09.9 | -05 32 | 4.4 | 7" | Vir | triple star challenge |
|--|--|--|---|---|--|---|--|
| ST467 Alpha | · | 13 10.0 | +17 32 | 5 | 0.5" | Com | double star challenge |
| ST468 54 | | 13 13.4 | -18 50 | 6.8 | 5" | Vir | double star |
| ST469 J | J CEN | 13 22.6 | -61 | 4.7 | 1' | Cen | double star |
| ST470 Zeta | Mizar | 13 23.9 | +54 56 | 2.3 | 14" | Uma | double star |
| | | | | | * | Vir | |
| ST471 Spica | Alpha VIR | 13 25.2 | -11.2 | 1 | | | star |
| ST472 O 123 | | 13 27.1 | +64 43 | 6.7 | 69" | Dra | colored double star |
| ST473 R | | 13 29.7 | -23 17 | 4 | Stellar | Hyd | variable star |
| ST474 1755 | Struve 1755 | 13 32.3 | +36.8 | 7 | 4.4" | Cvn | double star |
| ST475 S | S VIR | 13 33.0 | -7.2 | 6 | * | Vir | variable star |
| ST476 25 | 25 CVN | 13 37.5 | +36.3 | 5 | 1.8" | Cvn | double star magnitude contrast |
| ST477 1763 | Struve 1763 | 13 37.6 | -7.9 | 7.9 | 2.8" | Vir | double star |
| ST478 Epsilon | Epsilon CEN | 13 39.9 | -53.5 | 2.3 | * | Cen | star |
| ST479 1 | 1772 | 13 40.7 | +19 57 | | 5" | Boo | |
| | | | | 5.7 | | | double star magnitude contrast |
| ST480 Dunlop141 | Dunlop 141 | 13 41.7 | -54.6 | 5.3 | 5.3" | Cen | double star |
| ST481 T | T CEN | 13 41.8 | -33.6 | 5.5 | * | Cen | variable star |
| ST482 Alkaid | Eta UMA | 13 47.5 | +49.3 | 1.9 | * | Uma | star |
| ST483 1785 | Struve 1785 | 13 49.1 | +27.0 | 7.6 | 3.4" | Boo | double star |
| ST484 2 | 2 CEN | 13 49.4 | -34.5 | 4.2 | * | Cen | star |
| ST485 Upsilon | Upsilon BOO | 13 49.5 | +15.8 | 4.1 | * | Воо | star |
| ST486 3 | 3 CEN | 13 51.8 | -33 | 4.5 | 8" | Cen | double star |
| | | | | | 5° | | |
| ST487 Zeta | Zeta CEN | 13 55.5 | -47.3 | 2.6 | 5 | Cen | star |
| ST488 Beta | Beta CEN | 14 03.8 | -60.4 | 0.6 | | Cen | star |
| ST489 Pi | Pi HYA | 14 06.4 | -26.7 | 3.3 | * | Hya | star |
| ST490 Kappa | Kappa VIR | 14 12.9 | -10.3 | 4.2 | * | Vir | star |
| ST491 Kappa | | 14 13.5 | +51 47 | 4.4 | 13" | Boo | colored double star |
| ST492 1819 | | 14 15.3 | +03 08 | 7.8 | 0.8" | Vir | double star challenge |
| ST493 Arcturus | Alpha Boo | 14 15.7 | +19 11 | 0 | Stellar | Boo | star |
| ST494 lota | lota BOO | 14 16.2 | +51.4 | 4.9 | 39" | Boo | double star |
| | | | | | * | | |
| ST495 R | R CEN | 14 16.6 | -59.9 | 5.3 | | Cen | variable star |
| ST496 1834 | Struve 1834 | 14 20.3 | +48.5 | 8.1 | 1.3" | Boo | double star challenge |
| ST497 1833 | | 14 22.6 | -07 46 | 7.6 | 6" | Vir | double star equal magnitude |
| ST498 Dunlop159 | Dunlop 159 | 14 22.6 | -58.5 | 5 | 9" | Cen | colored double star |
| ST499 1835 | | 14 23.4 | +08 26 | 5.1 | 6" | Boo | double star |
| ST500 SHJ 179 | | 14 25.5 | -19 58 | 6.4 | 35" | Lib | double star |
| ST501 5 | 5 UMI | 14 27.5 | +75.7 | 4.3 | * | Umi | star |
| ST502 Proxima | Proxima CEN | | -62.7 | 10.7 | * | Cen | variable star |
| 31302 FIOXIIIA | FIUXIIIIa CLIN | 14 29.9 | -02.7 | 10.7 | | Cen | variable stat |
| CTCOO Dha | | 44040 | . 20 4 | 2.0 | * | D | |
| ST503 Rho | Rho BOO | 14 31.8 | +30.4 | 3.6 | * | Boo | star |
| ST504 h4690 | | 14 37.3 | -46 08 | 5.4 | 19" | Lup | double star magnitude contrast |
| ST504 h4690 ST505 Alpha | Rigil Kentauru | 14 37.3 IS | | 5.4 -60 50 | 19" 0 | Lup 20" | double star magnitude contrast Cen double star |
| ST504 h4690 | | 14 37.3 | -46 08 | 5.4 | 19" | Lup | double star magnitude contrast |
| ST504 h4690 ST505 Alpha | Rigil Kentauru | 14 37.3 IS | -46 08 14 39.6 | 5.4 -60 50 | 19" 0 | Lup 20" | double star magnitude contrast Cen double star |
| ST504 h4690 ST505 Alpha ST506 Pi | Rigil Kentauru Pi BOO | 14 37.3 is 14 40.7 | -46 08 14 39.6 +16.4 | 5.4 -60 50 5 4.9 | 19" 0 5.6" | Lup 20" Boo Boo | double star magnitude contrast Cen double star double star double star |
| ST504 h4690 ST505 Alpha ST506 Pi ST507 pi ST508 Zeta | Rigil Kentauru Pi BOO 1864 | 14 37.3 is 14 40.7 14 40.7 14 41.1 | -46 08 14 39.6 +16.4 +16 25 +13 44 | 5.4 -60 50 5 4.9 3.8 | 19" 0 5.6" 6" | Lup 20" Boo Boo Boo | double star magnitude contrast Cen double star double star double star double star challenge |
| ST504 h4690 ST505 Alpha ST506 Pi ST507 pi ST508 Zeta ST509 Alpha | Rigil Kentauru Pi BOO 1864 Alpha LUP | 14 37.3 is 14 40.7 14 40.7 14 41.1 14 41.9 | -46 08 14 39.6 +16.4 +16 25 +13 44 -47.4 | 5.4 -60 50 5 4.9 3.8 2.3 | 19" 0 5.6" 6" 1" | Lup 20" Boo Boo Boo Lup | double star magnitude contrast Cen double star double star double star double star challenge star |
| ST504 h4690 ST505 Alpha ST506 Pi ST507 pi ST508 Zeta ST509 Alpha ST510 q | Rigil Kentauru Pi BOO 1864 Alpha LUP q CEN | 14 37.3 IS 14 40.7 14 40.7 14 41.1 14 41.9 14 42.0 | -46 08 14 39.6 +16.4 +16 25 +13 44 -47.4 -37.8 | 5.4 -60 50 5 4.9 3.8 2.3 4 | 19" 0 5.6" 6" 1" | Lup 20" Boo Boo Lup Cen | double star magnitude contrast Cen double star double star double star double star challenge star star |
| ST504 h4690 ST505 Alpha ST506 Pi ST507 pi ST508 Zeta ST509 Alpha ST510 q ST511 Alpha | Rigil Kentauru Pi BOO 1864 Alpha LUP q CEN Alpha CIR | 14 37.3 IS 14 40.7 14 40.7 14 41.1 14 41.9 14 42.0 14 42.5 | -46 08 14 39.6 +16.4 +16 25 +13 44 -47.4 -37.8 -65 | 5.4 -60 50 5 4.9 3.8 2.3 4 3.2 | 19" 0 5.6" 6" 1" * | Lup 20" Boo Boo Boo Lup Cen Cir | double star magnitude contrast Cen double star double star double star double star challenge star star double star |
| ST504 h4690 ST505 Alpha ST506 Pi ST507 pi ST508 Zeta ST509 Alpha ST510 q ST511 Alpha ST512 c1 | Rigil Kentauru Pi BOO 1864 Alpha LUP q CEN Alpha CIR c1 CEN | 14 37.3 IS 14 40.7 14 40.7 14 41.1 14 41.9 14 42.0 14 42.5 14 43.7 | -46 08 14 39.6 +16.4 +16 25 +13 44 -47.4 -37.8 -65 -35.2 | 5.4 -60 50 5 4.9 3.8 2.3 4 3.2 4 | 19" 0 5.6" 6" 1" * * 16" 17' | Lup 20" Boo Boo Lup Cen Cir Cen | double star magnitude contrast Cen double star double star double star double star challenge star star double star star double star star |
| ST504 h4690 ST505 Alpha ST506 Pi ST507 pi ST508 Zeta ST509 Alpha ST510 q ST511 Alpha ST512 c1 ST513 Epsilon | Rigil Kentauru Pi BOO 1864 Alpha LUP q CEN Alpha CIR c1 CEN Izar | 14 37.3 IS 14 40.7 14 40.7 14 41.1 14 41.9 14 42.0 14 42.5 14 43.7 14 45.0 | -46 08 14 39.6 +16.4 +16 25 +13 44 -47.4 -37.8 -65 -35.2 +27 04 | 5.4 -60 50 5 4.9 3.8 2.3 4 3.2 4 2.4 | 19" 0 5.6" 6" 1" * * 16" 17' 3" | Lup 20" Boo Boo Lup Cen Cir Cen Boo | double star magnitude contrast Cen double star double star double star double star challenge star star double star star colored double star |
| ST504 h4690 ST505 Alpha ST506 Pi ST507 pi ST508 Zeta ST509 Alpha ST510 q ST511 Alpha ST512 c1 ST513 Epsilon ST514 Dunlop | Rigil Kentauru Pi BOO 1864 Alpha LUP q CEN Alpha CIR c1 CEN Izar Dunlop 169 | 14 37.3 IS 14 40.7 14 40.7 14 41.1 14 41.9 14 42.0 14 42.5 14 43.7 14 45.0 14 45.2 | -46 08 14 39.6 +16.4 +16 25 +13 44 -47.4 -37.8 -65 -35.2 +27 04 -55.6 | 5.4 -60 50 5 4.9 3.8 2.3 4 3.2 4 2.4 6.2 | 19" 0 5.6" 6" 1" * 16" 17' 3" 68" | Lup 20" Boo Boo Lup Cen Cir Cen Boo Cir | double star magnitude contrast Cen double star double star double star double star challenge star star double star star double star star colored double star double star |
| ST504 h4690 ST505 Alpha ST506 Pi ST507 pi ST508 Zeta ST509 Alpha ST510 q ST511 Alpha ST512 c1 ST513 Epsilon | Rigil Kentauru Pi BOO 1864 Alpha LUP q CEN Alpha CIR c1 CEN Izar | 14 37.3 IS 14 40.7 14 40.7 14 41.1 14 41.9 14 42.0 14 42.5 14 43.7 14 45.0 | -46 08 14 39.6 +16.4 +16 25 +13 44 -47.4 -37.8 -65 -35.2 +27 04 -55.6 -25 26 | 5.4 -60 50 5 4.9 3.8 2.3 4 3.2 4 2.4 | 19" 0 5.6" 6" 1" * * 16" 17' 3" 68" 8" | Lup 20" Boo Boo Lup Cen Cir Cen Boo | double star magnitude contrast Cen double star double star double star double star challenge star star double star star colored double star |
| ST504 h4690 ST505 Alpha ST506 Pi ST507 pi ST508 Zeta ST509 Alpha ST510 q ST511 Alpha ST512 c1 ST513 Epsilon ST514 Dunlop | Rigil Kentauru Pi BOO 1864 Alpha LUP q CEN Alpha CIR c1 CEN Izar Dunlop 169 | 14 37.3 IS 14 40.7 14 40.7 14 41.1 14 41.9 14 42.0 14 42.5 14 43.7 14 45.0 14 45.2 | -46 08 14 39.6 +16.4 +16 25 +13 44 -47.4 -37.8 -65 -35.2 +27 04 -55.6 | 5.4 -60 50 5 4.9 3.8 2.3 4 3.2 4 2.4 6.2 | 19" 0 5.6" 6" 1" * 16" 17' 3" 68" | Lup 20" Boo Boo Lup Cen Cir Cen Boo Cir | double star magnitude contrast Cen double star double star double star double star challenge star star double star star double star star colored double star double star |
| ST504 h4690 ST505 Alpha ST506 Pi ST507 pi ST508 Zeta ST509 Alpha ST510 q ST511 Alpha ST512 c1 ST513 Epsilon ST514 Dunlop ST515 54 | Rigil Kentauru Pi BOO 1864 Alpha LUP q CEN Alpha CIR c1 CEN Izar Dunlop 169 H 97 | 14 37.3 IS 14 40.7 14 40.7 14 41.1 14 41.9 14 42.0 14 42.5 14 43.7 14 45.0 14 45.2 14 46.0 | -46 08 14 39.6 +16.4 +16 25 +13 44 -47.4 -37.8 -65 -35.2 +27 04 -55.6 -25 26 | 5.4 -60 50 5 4.9 3.8 2.3 4 3.2 4 2.4 6.2 5.2 | 19" 0 5.6" 6" 1" * * 16" 17' 3" 68" 8" | Lup 20" Boo Boo Lup Cen Cir Cen Boo Cir Hya | double star magnitude contrast Cen double star double star double star double star challenge star star double star star colored double star double star double star double star |
| ST504 h4690 ST505 Alpha ST506 Pi ST507 pi ST508 Zeta ST509 Alpha ST510 q ST511 Alpha ST512 c1 ST513 Epsilon ST513 Epsilon ST514 Dunlop ST515 54 ST516 Alpha ST517 1883 | Rigil Kentauru Pi BOO 1864 Alpha LUP q CEN Alpha CIR c1 CEN Izar Dunlop 169 H 97 | 14 37.3 is 14 40.7 14 40.7 14 41.1 14 41.9 14 42.5 14 43.7 14 45.0 14 45.2 14 46.0 14 47.9 14 48.9 | -46 08 14 39.6 +16.4 +16 25 +13 44 -47.4 -37.8 -65 -35.2 +27 04 -55.6 -25 26 -79 +05 57 | 5.4 -60 50 5 4.9 3.8 2.3 4 3.2 4 2.4 6.2 5.2 3.8 7.6 | 19" 0 5.6" 6" 1" * * 16" 17' 3" 68" 8" 10° 0.7" | Lup 20" Boo Boo Lup Cen Cir Cen Boo Cir Hya Aps Vir | double star magnitude contrast Cen double star double star double star double star challenge star star double star star colored double star |
| ST504 h4690 ST505 Alpha ST506 Pi ST507 pi ST508 Zeta ST509 Alpha ST510 q ST511 Alpha ST512 c1 ST513 Epsilon ST514 Dunlop ST515 54 ST516 Alpha ST517 1883 ST518 Mu | Rigil Kentauru Pi BOO 1864 Alpha LUP q CEN Alpha CIR c1 CEN Izar Dunlop 169 H 97 | 14 37.3 is 14 40.7 14 40.7 14 41.1 14 41.9 14 42.5 14 43.7 14 45.0 14 45.2 14 46.0 14 47.9 14 48.9 14 49.3 | -46 08 14 39.6 +16.4 +16 25 +13 44 -47.4 -37.8 -65 -35.2 +27 04 -55.6 -25 26 -79 +05 57 -14 09 | 5.4 -60 50 5 4.9 3.8 2.3 4 3.2 4 2.4 6.2 5.2 3.8 7.6 5.4 | 19" 0 5.6" 6" 1" * * 16" 17' 3" 68" 8" 10° 0.7" 2" | Lup 20" Boo Boo Lup Cen Cir Cen Boo Cir Hya Aps Vir Lib | double star magnitude contrast Cen double star double star double star double star challenge star star double star star double star star colored double star double star double star double star double star double star star double star star double star challenge double star challenge |
| ST504 h4690 ST505 Alpha ST506 Pi ST507 pi ST508 Zeta ST509 Alpha ST510 q ST511 Alpha ST512 c1 ST513 Epsilon ST514 Dunlop ST514 Dunlop ST515 54 ST516 Alpha ST517 1883 ST518 Mu ST519 39 | Rigil Kentauru Pi BOO 1864 Alpha LUP q CEN Alpha CIR c1 CEN Izar Dunlop 169 H 97 Alpha APS | 14 37.3 is 14 40.7 14 40.7 14 41.1 14 41.9 14 42.5 14 43.7 14 45.0 14 45.2 14 46.0 14 47.9 14 48.9 14 49.3 14 49.7 | -46 08 14 39.6 +16.4 +16 25 +13 44 -47.4 -37.8 -65 -35.2 +27 04 -55.6 -25 26 -79 +05 57 -14 09 +48 43 | 5.4 -60 50 5 4.9 3.8 2.3 4 3.2 4 2.4 6.2 5.2 3.8 7.6 5.4 5.7 | 19" 0 5.6" 6" 1" * * 16" 17' 3" 68" 8" 10° 0.7" | Lup 20" Boo Boo Lup Cen Cir Cen Boo Cir Hya Aps Vir Lib Boo | double star magnitude contrast Cen double star double star double star double star challenge star star double star star double star star colored double star double star double star double star double star double star star double star star double star challenge double star challenge double star |
| ST504 h4690 ST505 Alpha ST506 Pi ST507 pi ST508 Zeta ST509 Alpha ST510 q ST511 Alpha ST512 c1 ST513 Epsilon ST514 Dunlop ST515 54 ST516 Alpha ST517 1883 ST518 Mu ST519 39 ST520 58 | Rigil Kentauru Pi BOO 1864 Alpha LUP q CEN Alpha CIR c1 CEN Izar Dunlop 169 H 97 Alpha APS | 14 37.3 as 14 40.7 14 40.7 14 41.1 14 41.9 14 42.0 14 42.5 14 43.7 14 45.0 14 45.2 14 46.0 14 47.9 14 48.9 14 49.3 14 49.7 14 50.3 | -46 08 14 39.6 +16.4 +16 25 +13 44 -47.4 -37.8 -65 -35.2 +27 04 -55.6 -25 26 -79 +05 57 -14 09 +48 43 -28 | 5.4 -60 50 5 4.9 3.8 2.3 4 3.2 4 2.4 6.2 5.2 3.8 7.6 5.4 5.7 | 19" 0 5.6" 6" 1" * * 16" 17' 3" 68" 8" 0.7" 2" 3" * | Lup 20" Boo Boo Lup Cen Cir Cen Boo Cir Hya Aps Vir Lib Boo Hya | double star magnitude contrast Cen double star double star double star double star challenge star star double star star colored double star star double star star double star challenge double star star |
| ST504 h4690 ST505 Alpha ST506 Pi ST507 pi ST508 Zeta ST509 Alpha ST510 q ST511 Alpha ST512 c1 ST513 Epsilon ST514 Dunlop ST515 54 ST516 Alpha ST517 1883 ST518 Mu ST519 39 ST520 58 ST521 Kochab | Rigil Kentauru Pi BOO 1864 Alpha LUP q CEN Alpha CIR c1 CEN Izar Dunlop 169 H 97 Alpha APS | 14 37.3 is 14 40.7 14 40.7 14 41.1 14 41.9 14 42.5 14 43.7 14 45.0 14 45.2 14 46.0 14 47.9 14 48.9 14 49.3 14 49.7 14 50.3 14 50.7 | -46 08 14 39.6 +16.4 +16 25 +13 44 -47.4 -37.8 -65 -35.2 +27 04 -55.6 -25 26 -79 +05 57 -14 09 +48 43 -28 +74.2 | 5.4 -60 50 5 4.9 3.8 2.3 4 3.2 4 2.4 6.2 5.2 3.8 7.6 5.4 5.7 4.4 2.1 | 19" 0 5.6" 6" 1" * * 16" 17' 3" 68" 8" 10° 0.7" 2" 3" * | Lup 20" Boo Boo Lup Cen Cir Cen Boo Cir Hya Aps Vir Lib Boo Hya Umi | double star magnitude contrast Cen double star double star double star double star challenge star star double star star colored double star double star double star double star double star double star star double star star double star challenge double star star star star star |
| ST504 h4690 ST505 Alpha ST506 Pi ST507 pi ST508 Zeta ST509 Alpha ST510 q ST511 Alpha ST512 c1 ST513 Epsilon ST514 Dunlop ST515 54 ST516 Alpha ST517 1883 ST518 Mu ST519 39 ST520 58 ST521 Kochab ST522 Zubenelgenubi | Rigil Kentauru Pi BOO 1864 Alpha LUP q CEN Alpha CIR c1 CEN Izar Dunlop 169 H 97 Alpha APS 58 HYA Beta UMI Alpha LIB | 14 37.3 as 14 40.7 14 40.7 14 41.1 14 41.9 14 42.0 14 42.5 14 43.7 14 45.0 14 45.2 14 46.0 14 47.9 14 48.9 14 49.3 14 49.7 14 50.3 14 50.7 14 50.9 | -46 08 14 39.6 +16.4 +16 25 +13 44 -47.4 -37.8 -65 -35.2 +27 04 -55.6 -25 26 -79 +05 57 -14 09 +48 43 -28 +74.2 -16 | 5.4 -60 50 5 4.9 3.8 2.3 4 3.2 4 2.4 6.2 5.2 3.8 7.6 5.4 5.7 4.4 2.1 2.8 | 19" 0 5.6" 6" 1" * * 16" 17' 3" 68" 8" 10° 0.7" 2" 3" * * | Lup 20" Boo Boo Lup Cen Cir Cen Boo Cir Hya Aps Vir Lib Boo Hya Umi Lib | double star magnitude contrast Cen double star double star double star double star challenge star star double star star colored double star double star double star double star double star double star star double star challenge double star challenge double star star star double star star double star challenge double star star star double star |
| ST504 h4690 ST505 Alpha ST506 Pi ST507 pi ST508 Zeta ST509 Alpha ST510 q ST511 Alpha ST512 c1 ST513 Epsilon ST514 Dunlop ST515 54 ST516 Alpha ST517 1883 ST518 Mu ST519 39 ST520 58 ST521 Kochab ST522 Zubenelgenubi ST523 Xi | Rigil Kentauru Pi BOO 1864 Alpha LUP q CEN Alpha CIR c1 CEN Izar Dunlop 169 H 97 Alpha APS 58 HYA Beta UMI Alpha LIB 37 Boo | 14 37.3 as 14 40.7 14 40.7 14 41.1 14 41.9 14 42.0 14 42.5 14 43.7 14 45.0 14 45.2 14 46.0 14 47.9 14 48.9 14 49.3 14 49.7 14 50.3 14 50.7 14 50.9 14 51.4 | -46 08 14 39.6 +16.4 +16 25 +13 44 -47.4 -37.8 -65 -35.2 +27 04 -55.6 -25 26 -79 +05 57 -14 09 +48 43 -28 +74.2 -16 +19 06 | 5.4 -60 50 5 4.9 3.8 2.3 4 3.2 4 2.4 6.2 5.2 3.8 7.6 5.4 5.7 4.4 2.1 2.8 4.6 | 19" 0 5.6" 6" 1" * * 16" 17' 3" 68" 8" 10° 0.7" 2" 3" * * 4' 7" | Lup 20" Boo Boo Boo Lup Cen Cir Cen Boo Cir Hya Aps Vir Lib Boo Hya Umi Lib Boo | double star magnitude contrast Cen double star double star double star double star challenge star star double star star colored double star double star double star double star double star star double star star double star challenge double star star star double star challenge double star star star star colored double star |
| ST504 h4690 ST505 Alpha ST506 Pi ST507 pi ST508 Zeta ST509 Alpha ST510 q ST511 Alpha ST512 c1 ST513 Epsilon ST514 Dunlop ST515 54 ST516 Alpha ST517 1883 ST518 Mu ST519 39 ST520 58 ST521 Kochab ST522 Zubenelgenubi ST523 Xi ST524 h4715 | Rigil Kentauru Pi BOO 1864 Alpha LUP q CEN Alpha CIR c1 CEN Izar Dunlop 169 H 97 Alpha APS 58 HYA Beta UMI Alpha LIB 37 Boo h4715 | 14 37.3 as 14 40.7 14 40.7 14 41.1 14 41.9 14 42.0 14 42.5 14 43.7 14 45.0 14 45.2 14 46.0 14 47.9 14 48.9 14 49.3 14 49.7 14 50.3 14 50.7 14 50.9 | -46 08 14 39.6 +16.4 +16 25 +13 44 -47.4 -37.8 -65 -35.2 +27 04 -55.6 -25 26 -79 +05 57 -14 09 +48 43 -28 +74.2 -16 | 5.4 -60 50 5 4.9 3.8 2.3 4 3.2 4 2.4 6.2 5.2 3.8 7.6 5.4 5.7 4.4 2.1 2.8 | 19" 0 5.6" 6" 1" * * 16" 17' 3" 68" 8" 0.7" 2" 3" * * 4' 7" 2.4" | Lup 20" Boo Boo Lup Cen Cir Cen Boo Cir Hya Aps Vir Lib Boo Hya Umi Lib | double star magnitude contrast Cen double star double star double star double star challenge star star double star star colored double star double star double star double star double star double star star double star challenge double star challenge double star star star double star star double star challenge double star star star double star |
| ST504 h4690 ST505 Alpha ST506 Pi ST507 pi ST508 Zeta ST509 Alpha ST510 q ST511 Alpha ST512 c1 ST513 Epsilon ST514 Dunlop ST515 54 ST516 Alpha ST517 1883 ST518 Mu ST519 39 ST520 58 ST521 Kochab ST522 Zubenelgenubi ST523 Xi | Rigil Kentauru Pi BOO 1864 Alpha LUP q CEN Alpha CIR c1 CEN Izar Dunlop 169 H 97 Alpha APS 58 HYA Beta UMI Alpha LIB 37 Boo | 14 37.3 as 14 40.7 14 40.7 14 41.1 14 41.9 14 42.0 14 42.5 14 43.7 14 45.0 14 45.2 14 46.0 14 47.9 14 48.9 14 49.3 14 49.7 14 50.3 14 50.7 14 50.9 14 51.4 | -46 08 14 39.6 +16.4 +16 25 +13 44 -47.4 -37.8 -65 -35.2 +27 04 -55.6 -25 26 -79 +05 57 -14 09 +48 43 -28 +74.2 -16 +19 06 | 5.4 -60 50 5 4.9 3.8 2.3 4 3.2 4 2.4 6.2 5.2 3.8 7.6 5.4 5.7 4.4 2.1 2.8 4.6 | 19" 0 5.6" 6" 1" * * 16" 17' 3" 68" 8" 10° 0.7" 2" 3" * * 4' 7" | Lup 20" Boo Boo Boo Lup Cen Cir Cen Boo Cir Hya Aps Vir Lib Boo Hya Umi Lib Boo | double star magnitude contrast Cen double star double star double star double star challenge star star double star star colored double star double star double star double star double star star double star star double star challenge double star star star double star challenge double star star star star colored double star |
| ST504 h4690 ST505 Alpha ST506 Pi ST507 pi ST508 Zeta ST509 Alpha ST510 q ST511 Alpha ST512 c1 ST513 Epsilon ST514 Dunlop ST515 54 ST516 Alpha ST517 1883 ST518 Mu ST519 39 ST520 58 ST521 Kochab ST522 Zubenelgenubi ST523 Xi ST524 h4715 | Rigil Kentauru Pi BOO 1864 Alpha LUP q CEN Alpha CIR c1 CEN Izar Dunlop 169 H 97 Alpha APS 58 HYA Beta UMI Alpha LIB 37 Boo h4715 | 14 37.3 as 14 40.7 14 40.7 14 41.1 14 41.9 14 42.5 14 43.7 14 45.0 14 45.2 14 46.0 14 47.9 14 48.9 14 49.3 14 49.7 14 50.3 14 50.7 14 50.9 14 51.4 14 56.5 | -46 08 14 39.6 +16.4 +16 25 +13 44 -47.4 -37.8 -65 -35.2 +27 04 -55.6 -25 26 -79 +05 57 -14 09 +48 43 -28 +74.2 -16 +19 06 -47.9 | 5.4 -60 50 5 4.9 3.8 2.3 4 3.2 4 2.4 6.2 5.2 3.8 7.6 5.4 5.7 4.4 2.1 2.8 4.6 6 | 19" 0 5.6" 6" 1" * * 16" 17' 3" 68" 8" 0.7" 2" 3" * * 4' 7" 2.4" | Lup 20" Boo Boo Boo Lup Cen Cir Cen Boo Cir Hya Aps Vir Lib Boo Hya Umi Lib Boo Lup Lib | double star magnitude contrast Cen double star double star double star double star challenge star star double star star colored double star challenge double star star double star challenge double star star colored double star double star |
| ST504 h4690 ST505 Alpha ST506 Pi ST507 pi ST508 Zeta ST509 Alpha ST510 q ST511 Alpha ST512 c1 ST513 Epsilon ST514 Dunlop ST515 54 ST516 Alpha ST517 1883 ST518 Mu ST519 39 ST520 58 ST521 Kochab ST522 Zubenelgenubi ST523 Xi ST524 h4715 ST525 33 ST526 Beta | Rigil Kentauru Pi BOO 1864 Alpha LUP q CEN Alpha CIR c1 CEN Izar Dunlop 169 H 97 Alpha APS 58 HYA Beta UMI Alpha LIB 37 Boo h4715 H 28 Beta LUP | 14 37.3 as 14 40.7 14 40.7 14 41.1 14 41.9 14 42.5 14 43.7 14 45.0 14 45.2 14 46.0 14 47.9 14 48.9 14 49.3 14 50.7 14 50.3 14 50.7 14 50.9 14 50.5 14 57.3 14 58.5 | -46 08 14 39.6 +16.4 +16 25 +13 44 -47.4 -37.8 -65 -35.2 +27 04 -55.6 -25 26 -79 +05 57 -14 09 +48 43 -28 +74.2 -16 +19 06 -47.9 -21 22 -43.1 | 5.4 -60 50 5 4.9 3.8 2.3 4 3.2 4 2.4 6.2 5.2 3.8 7.6 5.7 4.4 2.1 2.8 4.6 6 5.9 2.6 | 19" 0 5.6" 6" 1" * * 16" 17' 3" 68" 8" 0.7" 2" 3" * * 4' 7" 2.4" 23" | Lup 20" Boo Boo Boo Lup Cen Cir Cen Boo Cir Hya Aps Vir Lib Boo Hya Umi Lib Boo Lup Lib Lup | double star magnitude contrast Cen double star double star double star double star challenge star star double star star colored double star star double star challenge double star star double star colored double star double star star double star star |
| ST504 h4690 ST505 Alpha ST506 Pi ST507 pi ST508 Zeta ST509 Alpha ST510 q ST511 Alpha ST512 c1 ST513 Epsilon ST514 Dunlop ST515 54 ST516 Alpha ST517 1883 ST518 Mu ST519 39 ST520 58 ST521 Kochab ST522 Zubenelgenubi ST523 Xi ST524 h4715 ST525 33 ST526 Beta ST527 Pi | Rigil Kentauru Pi BOO 1864 Alpha LUP q CEN Alpha CIR c1 CEN Izar Dunlop 169 H 97 Alpha APS 58 HYA Beta UMI Alpha LIB 37 Boo h4715 H 28 | 14 37.3 is 14 40.7 14 40.7 14 41.1 14 41.9 14 42.5 14 43.7 14 45.0 14 45.2 14 46.0 14 47.9 14 48.9 14 49.3 14 50.3 14 50.7 14 50.3 14 50.7 14 50.3 14 50.7 14 56.5 14 57.3 14 58.5 15 01.8 | -46 08 14 39.6 +16.4 +16 25 +13 44 -47.4 -37.8 -65 -35.2 +27 04 -55.6 -25 26 -79 +05 57 -14 09 +48 43 -28 +74.2 -16 +19 06 -47.9 -21 22 -43.1 -83.2 | 5.4 -60 50 5 4.9 3.8 2.3 4 3.2 4 2.4 6.2 5.2 3.8 7.6 5.4 5.7 4.4 2.1 2.8 4.6 6 5.9 2.6 5.7 | 19" 0 5.6" 6" 1" * * 16" 17' 3" 68" 8" 0.7" 2" 3" * 4' 7" 2.4" 23" * 18' | Lup 20" Boo Boo Boo Lup Cen Cir Cen Boo Cir Hya Aps Vir Lib Boo Hya Umi Lib Boo Lup Lib Lup Oct | double star magnitude contrast Cen double star double star double star double star challenge star star double star star colored double star colored double star double star double star challenge double star star double star star double star colored double star double star colored double star double star double star double star double star double star |
| ST504 h4690 ST505 Alpha ST506 Pi ST507 pi ST508 Zeta ST509 Alpha ST510 q ST511 Alpha ST5112 c1 ST513 Epsilon ST514 Dunlop ST515 54 ST516 Alpha ST517 1883 ST518 Mu ST519 39 ST520 58 ST521 Kochab ST522 Zubenelgenubi ST523 Xi ST524 h4715 ST525 33 ST526 Beta ST527 Pi ST528 44 | Rigil Kentauru Pi BOO 1864 Alpha LUP q CEN Alpha CIR c1 CEN Izar Dunlop 169 H 97 Alpha APS 58 HYA Beta UMI Alpha LIB 37 Boo h4715 H 28 Beta LUP Pi OCT | 14 37.3 is 14 40.7 14 40.7 14 41.1 14 41.9 14 42.0 14 42.5 14 43.7 14 45.0 14 45.2 14 46.0 14 47.9 14 48.9 14 49.3 14 49.7 14 50.3 14 50.7 14 50.3 14 50.9 14 51.4 14 56.5 14 57.3 14 58.5 15 01.8 15 03.8 | -46 08 14 39.6 +16.4 +16 25 +13 44 -47.4 -37.8 -65 -35.2 +27 04 -55.6 -25 26 -79 +05 57 -14 09 +48 43 -28 +74.2 -16 +19 06 -47.9 -21 22 -43.1 -83.2 +47 39 | 5.4 -60 50 5 4.9 3.8 2.3 4 3.2 4 2.4 6.2 5.2 3.8 7.6 5.4 5.7 4.4 2.1 2.8 4.6 6 5.9 2.6 5.7 4.8 | 19" 0 5.6" 6" 1" * * 16" 17' 3" 68" 8" 0.7" 2" 3" * * 4' 7" 2.4" 23" * | Lup 20" Boo Boo Boo Lup Cen Cir Cen Boo Cir Hya Aps Vir Lib Boo Hya Umi Lib Boo Lup Lib Lup Oct Boo | double star magnitude contrast Cen double star double star double star double star challenge star star double star star colored double star double star double star star double star star double star star double star challenge double star challenge double star star star double star star double star star double star star double star colored double star double star double star double star double star double star star double star star |
| ST504 h4690 ST505 Alpha ST506 Pi ST507 pi ST508 Zeta ST509 Alpha ST510 q ST511 Alpha ST512 c1 ST513 Epsilon ST514 Dunlop ST515 54 ST516 Alpha ST517 1883 ST518 Mu ST519 39 ST520 58 ST521 Kochab ST522 Zubenelgenubi ST523 Xi ST524 h4715 ST525 33 ST526 Beta ST527 Pi ST528 44 ST529 Sigma | Rigil Kentauru Pi BOO 1864 Alpha LUP q CEN Alpha CIR c1 CEN Izar Dunlop 169 H 97 Alpha APS 58 HYA Beta UMI Alpha LIB 37 Boo h4715 H 28 Beta LUP Pi OCT | 14 37.3 is 14 40.7 14 40.7 14 41.1 14 41.9 14 42.5 14 45.0 14 45.2 14 46.0 14 47.9 14 48.9 14 49.3 14 49.7 14 50.3 14 50.7 14 50.9 14 51.4 15 65.5 15 01.8 15 03.8 15 04.1 | -46 08 14 39.6 +16.4 +16 25 +13 44 -47.4 -37.8 -65 -35.2 +27 04 -55.6 -25 26 -79 +05 57 -14 09 +48 43 -28 +74.2 -16 +19 06 -47.9 -21 22 -43.1 -83.2 +47 39 -25.3 | 5.4 -60 50 5 4.9 3.8 2.3 4 3.2 4 2.4 6.2 5.2 3.8 7.6 5.4 5.7 4.4 2.1 2.8 4.6 6 5.9 2.6 5.7 4.8 3.2 | 19" 0 5.6" 6" 1" * * 16" 17' 3" 68" 8" 10° 0.7" 2" 3" * 4' 7" 2.4" 23" * 18' 1.5" * | Lup 20" Boo Boo Boo Lup Cen Cir Cen Boo Cir Hya Aps Vir Lib Boo Hya Umi Lib Boo Lup Lib Lup Oct Boo Lib | double star magnitude contrast Cen double star double star double star double star challenge star star double star star colored double star double star double star star double star star double star star double star challenge double star challenge double star star star star double star star double star star double star colored double star |
| ST504 h4690 ST505 Alpha ST506 Pi ST507 pi ST508 Zeta ST509 Alpha ST510 q ST511 Alpha ST512 c1 ST513 Epsilon ST514 Dunlop ST515 54 ST516 Alpha ST517 1883 ST518 Mu ST519 39 ST520 58 ST521 Kochab ST522 Zubenelgenubi ST523 Xi ST524 h4715 ST525 33 ST526 Beta ST527 Pi ST528 44 ST529 Sigma ST530 Dunlop178 | Rigil Kentauru Pi BOO 1864 Alpha LUP q CEN Alpha CIR c1 CEN Izar Dunlop 169 H 97 Alpha APS 58 HYA Beta UMI Alpha LIB 37 Boo h4715 H 28 Beta LUP Pi OCT | 14 37.3 is 14 40.7 14 40.7 14 41.1 14 41.9 14 42.5 14 45.0 14 45.2 14 46.0 14 47.9 14 48.9 14 49.3 14 49.7 14 50.3 14 50.7 14 50.9 14 51.4 15 50.8 15 01.8 15 03.8 15 04.1 15 11.6 | -46 08 14 39.6 +16.4 +16 25 +13 44 -47.4 -37.8 -65 -35.2 +27 04 -55.6 -25 26 -79 +05 57 -14 09 +48 43 -28 +74.2 -16 +19 06 -47.9 -21 22 -43.1 -83.2 +47 39 -25.3 -45.3 | 5.4 -60 50 5 4.9 3.8 2.3 4 3.2 4 2.4 6.2 5.2 3.8 7.6 5.4 5.7 4.4 2.1 2.8 4.6 6 5.9 2.6 5.7 4.8 3.2 6.7 | 19" 0 5.6" 6" 1" * * 16" 17' 3" 68" 8" 10° 0.7" 2" 3" * 4' 7" 2.4" 23" * 18' 1.5" * 32" | Lup 20" Boo Boo Boo Lup Cen Cir Cen Boo Cir Hya Aps Vir Lib Boo Hya Umi Lib Boo Lup Lib Lup Oct Boo Lup | double star magnitude contrast Cen double star double star double star double star challenge star star double star star colored double star double star challenge double star challenge double star star star double star star double star |
| ST504 h4690 ST505 Alpha ST506 Pi ST507 pi ST508 Zeta ST509 Alpha ST510 q ST511 Alpha ST512 c1 ST513 Epsilon ST514 Dunlop ST515 54 ST516 Alpha ST517 1883 ST518 Mu ST519 39 ST520 58 ST521 Kochab ST522 Zubenelgenubi ST523 Xi ST524 h4715 ST525 33 ST526 Beta ST527 Pi ST528 44 ST529 Sigma ST530 Dunlop178 ST531 Kappa | Rigil Kentauru Pi BOO 1864 Alpha LUP q CEN Alpha CIR c1 CEN Izar Dunlop 169 H 97 Alpha APS 58 HYA Beta UMI Alpha LIB 37 Boo h4715 H 28 Beta LUP Pi OCT Sigma LIB Dunlop 178 Kappa LUP | 14 37.3 as 14 40.7 14 40.7 14 41.1 14 41.9 14 42.5 14 45.0 14 45.2 14 46.0 14 47.9 14 48.9 14 49.3 14 50.3 14 50.7 14 50.3 14 50.7 14 50.3 14 50.7 14 50.8 15 01.8 15 03.8 15 04.1 15 11.6 15 11.9 | -46 08 14 39.6 +16.4 +16 25 +13 44 -47.4 -37.8 -65 -35.2 +27 04 -55.6 -25 26 -79 +05 57 -14 09 +48 43 -28 +74.2 -16 +19 06 -47.9 -21 22 -43.1 -83.2 +47 39 -25.3 -45.3 -48.7 | 5.4 -60 50 5 4.9 3.8 2.3 4 3.2 4 2.4 6.2 5.2 3.8 7.6 5.4 5.7 4.4 2.1 2.8 4.6 6 5.9 2.6 5.7 4.8 3.2 6.7 3.9 | 19" 0 5.6" 6" 1" * * 16" 17' 3" 68" 8" 10° 0.7" 2" 3" * * 4' 7" 2.4" 23" * 18' 1.5" * 32" 27" | Lup 20" Boo Boo Lup Cen Cir Cen Boo Cir Hya Aps Vir Lib Boo Hya Umi Lib Boo Lup Lib Lup Lib Lup Lup Lup Lup Lup | double star magnitude contrast Cen double star double star double star double star challenge star star double star star colored double star double star double star star double star star double star challenge double star challenge double star star star double star star double star star double star colored double star |
| ST504 h4690 ST505 Alpha ST506 Pi ST507 pi ST508 Zeta ST509 Alpha ST510 q ST511 Alpha ST512 c1 ST513 Epsilon ST514 Dunlop ST515 54 ST516 Alpha ST517 1883 ST518 Mu ST519 39 ST520 58 ST521 Kochab ST522 Zubenelgenubi ST523 Xi ST524 h4715 ST525 33 ST526 Beta ST527 Pi ST528 44 ST529 Sigma ST530 Dunlop178 ST531 Kappa ST531 Kappa | Rigil Kentauru Pi BOO 1864 Alpha LUP q CEN Alpha CIR c1 CEN Izar Dunlop 169 H 97 Alpha APS 58 HYA Beta UMI Alpha LIB 37 Boo h4715 H 28 Beta LUP Pi OCT | 14 37.3 is 14 40.7 14 40.7 14 41.1 14 41.9 14 42.5 14 43.7 14 45.2 14 46.0 14 47.9 14 48.9 14 49.3 14 50.7 14 50.3 14 50.7 14 50.3 14 50.7 14 50.8 15 01.8 15 01.8 15 01.8 15 01.8 15 01.8 | -46 08 14 39.6 +16.4 +16 25 +13 44 -47.4 -37.8 -65 -35.2 +27 04 -55.6 -25 26 -79 +05 57 -14 09 +48 43 -28 +74.2 -16 +19 06 -47.9 -21 22 -43.1 -83.2 +47 39 -25.3 -45.3 -45.3 -45.7 -70.1 | 5.4 -60 50 5 4.9 3.8 2.3 4 3.2 4 2.4 6.2 5.2 3.8 7.6 5.4 5.7 4.4 2.1 2.8 4.6 6 5.9 2.6 5.7 4.8 3.2 6.7 3.9 8.1 | 19" 0 5.6" 6" 1" * * 16" 17' 3" 68" 8" 10° 0.7" 2" 3" * 4' 7" 2.4" 23" * 18' 1.5" * 32" 27" * | Lup 20" Boo Boo Lup Cen Cir Cen Boo Cir Hya Aps Vir Lib Boo Hya Umi Lib Boo Lup Lib Lup Lib Lup Tra | double star magnitude contrast Cen double star double star double star double star challenge star star double star star colored double star double star double star star double star colored double star double star star double star challenge double star star star double star star double star star double star |
| ST504 h4690 ST505 Alpha ST506 Pi ST507 pi ST508 Zeta ST509 Alpha ST510 q ST511 Alpha ST512 c1 ST513 Epsilon ST514 Dunlop ST515 54 ST516 Alpha ST517 1883 ST518 Mu ST519 39 ST520 58 ST521 Kochab ST522 Zubenelgenubi ST523 Xi ST524 h4715 ST525 33 ST526 Beta ST527 Pi ST528 44 ST529 Sigma ST530 Dunlop178 ST531 Kappa ST532 X ST531 Kappa ST532 X ST533 1932 | Rigil Kentauru Pi BOO 1864 Alpha LUP q CEN Alpha CIR c1 CEN Izar Dunlop 169 H 97 Alpha APS 58 HYA Beta UMI Alpha LIB 37 Boo h4715 H 28 Beta LUP Pi OCT Sigma LIB Dunlop 178 Kappa LUP X TRA | 14 37.3 as 14 40.7 14 40.7 14 41.1 14 41.9 14 42.5 14 45.0 14 45.2 14 46.0 14 47.9 14 48.9 14 49.3 14 50.3 14 50.7 14 50.3 14 50.7 14 50.3 14 50.7 14 50.8 15 01.8 15 03.8 15 04.1 15 11.6 15 11.9 | -46 08 14 39.6 +16.4 +16 25 +13 44 -47.4 -37.8 -65 -35.2 +27 04 -55.6 -25 26 -79 +05 57 -14 09 +48 43 -28 +74.2 -16 +19 06 -47.9 -21 22 -43.1 -83.2 +47 39 -25.3 -48.7 -70.1 +26 50 | 5.4 -60 50 5 4.9 3.8 2.3 4 3.2 4 2.4 6.2 5.2 3.8 7.6 5.4 5.7 4.4 2.1 2.8 4.6 6 5.9 2.6 5.7 4.8 3.2 6.7 3.9 | 19" 0 5.6" 6" 1" * * 16" 17' 3" 68" 8" 10° 0.7" 2" 3" * * 4' 7" 2.4" 23" * 1.5" * 1.5" | Lup 20" Boo Boo Lup Cen Cir Cen Boo Cir Hya Aps Vir Lib Boo Hya Umi Lib Boo Lup Lib Lup Lib Lup Lup Lup Lup Lup | double star magnitude contrast Cen double star double star double star double star challenge star star double star star colored double star double star double star star double star star double star star double star challenge double star challenge double star star star double star star double star colored double star |
| ST504 h4690 ST505 Alpha ST506 Pi ST507 pi ST508 Zeta ST509 Alpha ST510 q ST511 Alpha ST512 c1 ST513 Epsilon ST514 Dunlop ST515 54 ST516 Alpha ST517 1883 ST518 Mu ST519 39 ST520 58 ST521 Kochab ST522 Zubenelgenubi ST523 Xi ST524 h4715 ST525 33 ST526 Beta ST527 Pi ST528 44 ST529 Sigma ST530 Dunlop178 ST531 Kappa ST531 Kappa | Rigil Kentauru Pi BOO 1864 Alpha LUP q CEN Alpha CIR c1 CEN Izar Dunlop 169 H 97 Alpha APS 58 HYA Beta UMI Alpha LIB 37 Boo h4715 H 28 Beta LUP Pi OCT Sigma LIB Dunlop 178 Kappa LUP | 14 37.3 is 14 40.7 14 40.7 14 41.1 14 41.9 14 42.5 14 43.7 14 45.2 14 46.0 14 47.9 14 48.9 14 49.3 14 50.7 14 50.3 14 50.7 14 50.3 14 50.7 14 50.8 15 01.8 15 01.8 15 01.8 15 01.8 15 01.8 | -46 08 14 39.6 +16.4 +16 25 +13 44 -47.4 -37.8 -65 -35.2 +27 04 -55.6 -25 26 -79 +05 57 -14 09 +48 43 -28 +74.2 -16 +19 06 -47.9 -21 22 -43.1 -83.2 +47 39 -25.3 -45.3 -45.3 -45.7 -70.1 | 5.4 -60 50 5 4.9 3.8 2.3 4 3.2 4 2.4 6.2 5.2 3.8 7.6 5.4 5.7 4.4 2.1 2.8 4.6 6 5.9 2.6 5.7 4.8 3.2 6.7 3.9 8.1 | 19" 0 5.6" 6" 1" * * 16" 17' 3" 68" 8" 10° 0.7" 2" 3" * 4' 7" 2.4" 23" * 18' 1.5" * 32" 27" * | Lup 20" Boo Boo Lup Cen Cir Cen Boo Cir Hya Aps Vir Lib Boo Hya Umi Lib Boo Lup Lib Lup Lib Lup Tra | double star magnitude contrast Cen double star double star double star double star challenge star star double star star colored double star double star double star star double star colored double star double star star double star challenge double star star star double star star double star star double star |
| ST504 h4690 ST505 Alpha ST506 Pi ST507 pi ST508 Zeta ST509 Alpha ST510 q ST511 Alpha ST512 c1 ST513 Epsilon ST514 Dunlop ST515 54 ST516 Alpha ST517 1883 ST518 Mu ST519 39 ST520 58 ST521 Kochab ST522 Zubenelgenubi ST523 Xi ST524 h4715 ST525 33 ST526 Beta ST527 Pi ST528 44 ST529 Sigma ST530 Dunlop178 ST531 Kappa ST532 X ST531 Kappa ST532 X ST533 1932 | Rigil Kentauru Pi BOO 1864 Alpha LUP q CEN Alpha CIR c1 CEN Izar Dunlop 169 H 97 Alpha APS 58 HYA Beta UMI Alpha LIB 37 Boo h4715 H 28 Beta LUP Pi OCT Sigma LIB Dunlop 178 Kappa LUP X TRA | 14 37.3 is 14 40.7 14 40.7 14 41.1 14 41.9 14 42.5 14 43.7 14 45.2 14 45.2 14 45.2 14 46.0 14 47.9 14 48.9 14 49.3 14 50.7 14 50.3 14 50.7 14 50.8 15 01.8 15 03.8 15 04.1 15 11.6 15 11.9 15 14.3 15 18.3 | -46 08 14 39.6 +16.4 +16 25 +13 44 -47.4 -37.8 -65 -35.2 +27 04 -55.6 -25 26 -79 +05 57 -14 09 +48 43 -28 +74.2 -16 +19 06 -47.9 -21 22 -43.1 -83.2 +47 39 -25.3 -48.7 -70.1 +26 50 | 5.4 -60 50 5 4.9 3.8 2.3 4 3.2 4 2.4 6.2 5.2 3.8 7.6 5.4 5.7 4.4 2.1 2.8 4.6 6 5.9 2.6 5.7 4.8 3.2 6.7 3.9 8.1 6.6 | 19" 0 5.6" 6" 1" * * 16" 17' 3" 68" 8" 10° 0.7" 2" 3" * * 4' 7" 2.4" 23" * 1.5" * 1.5" | Lup 20" Boo Boo Boo Lup Cen Cir Cen Boo Cir Hya Aps Vir Lib Boo Hya Umi Lib Boo Lup Lib Lup Lib Lup Cet Cir Cen Cir Cr Cen Cir Cen Cir Cr Cen Cir Cen Cir Cen Cir Cir Cen | double star magnitude contrast Cen double star double star double star double star challenge star star double star star colored double star double star double star double star star double star double star challenge double star challenge double star star double star star double star star double star |
| ST504 h4690 ST505 Alpha ST506 Pi ST507 pi ST508 Zeta ST509 Alpha ST510 q ST511 Alpha ST512 c1 ST513 Epsilon ST514 Dunlop ST515 54 ST516 Alpha ST517 1883 ST518 Mu ST519 39 ST520 58 ST521 Kochab ST522 Zubenelgenubi ST523 Xi ST524 h4715 ST525 33 ST526 Beta ST527 Pi ST528 44 ST529 Sigma ST530 Dunlop178 ST531 Kappa ST532 X ST533 1932 ST534 Mu ST535 1931 | Rigil Kentauru Pi BOO 1864 Alpha LUP q CEN Alpha CIR c1 CEN Izar Dunlop 169 H 97 Alpha APS 58 HYA Beta UMI Alpha LIB 37 Boo h4715 H 28 Beta LUP Pi OCT Sigma LIB Dunlop 178 Kappa LUP X TRA | 14 37.3 IS 14 40.7 14 40.7 14 41.1 14 41.9 14 42.0 14 42.5 14 43.7 14 45.0 14 45.2 14 46.0 14 47.9 14 48.9 14 49.3 14 50.7 14 50.3 14 50.7 14 50.3 14 50.7 14 50.3 15 15.4 15 11.6 15 11.6 15 11.6 15 11.9 15 14.3 15 18.3 15 18.5 15 18.7 | -46 08 14 39.6 +16.4 +16 25 +13 44 -47.4 -37.8 -65 -35.2 +27 04 -55.6 -25 26 -79 +05 57 -14 09 +48 43 -28 +74.2 -16 +19 06 -47.9 -21 22 -43.1 -83.2 +47 39 -25.3 -45.3 -45.3 -45.3 -47.9 +10 26 | 5.4 -60 50 5 4.9 3.8 2.3 4 2.4 6.2 5.2 3.8 7.6 5.4 5.7 4.4 2.1 2.8 4.6 6 5.9 2.6 5.7 4.8 3.2 6.7 3.9 8.1 6.6 5.1 7 | 19" 0 5.6" 6" 1" * * 16" 17' 3" 68" 8" 10° 0.7" 2" 3" * * 4' 7" 2.4" 23" * 1.5" * 1.5" 1.5" 1.2" | Lup 20" Boo Boo Boo Lup Cen Cir Cen Boo Cir Hya Aps Vir Lib Boo Hya Umi Lib Boo Lup Lib Lup Cct Boo Lup CrB Lup Tra CrB Lup Ser | double star magnitude contrast Cen double star double star double star double star challenge star star double star star colored double star colored double star double star star double star challenge double star star double star star double star colored double star colored double star challenge double star challenge |
| ST504 h4690 ST505 Alpha ST506 Pi ST507 pi ST508 Zeta ST509 Alpha ST510 q ST511 Alpha ST512 c1 ST513 Epsilon ST514 Dunlop ST515 54 ST516 Alpha ST517 1883 ST518 Mu ST519 39 ST520 58 ST521 Kochab ST522 Zubenelgenubi ST523 Xi ST524 h4715 ST525 33 ST526 Beta ST527 Pi ST528 44 ST529 Sigma ST530 Dunlop178 ST531 Kappa ST532 X ST533 1932 ST534 Mu ST535 1931 ST536 S | Rigil Kentauru Pi BOO 1864 Alpha LUP q CEN Alpha CIR c1 CEN Izar Dunlop 169 H 97 Alpha APS 58 HYA Beta UMI Alpha LIB 37 Boo h4715 H 28 Beta LUP Pi OCT Sigma LIB Dunlop 178 Kappa LUP X TRA Mu LUP S CRB | 14 37.3 as 14 40.7 14 40.7 14 41.1 14 41.9 14 42.0 14 42.5 14 43.7 14 45.0 14 45.2 14 46.0 14 47.9 14 48.9 14 49.3 14 50.7 14 50.3 14 50.7 14 50.3 14 50.7 14 50.3 15 11.4 15 11.6 15 11.6 15 11.6 15 11.9 15 14.3 15 18.3 15 18.5 15 18.7 15 21.4 | -46 08 14 39.6 +16.4 +16 25 +13 44 -47.4 -37.8 -65 -35.2 +27 04 -55.6 -25 26 -79 +05 57 -14 09 +48 43 -28 +74.2 -16 +19 06 -47.9 -21 22 -43.1 -83.2 +47 39 -25.3 -45.3 -45.3 -45.3 -45.3 -47.9 +10 26 +31.4 | 5.4 -60 50 5 4.9 3.8 2.3 4 2.4 6.2 5.2 3.8 7.6 5.4 5.7 4.4 2.1 2.8 4.6 6 5.9 2.6 5.7 4.8 3.2 6.7 3.9 8.1 6.6 5.1 7 5.8 | 19" 0 5.6" 6" 1" * * 16" 17' 3" 68" 8" 10° 0.7" 2" 3" * * 4' 7" 2.4" 23" * 1.5" * 1.5" 1.5" 1.2" 13" * | Lup 20" Boo Boo Boo Lup Cen Cir Cen Boo Cir Hya Aps Vir Lib Boo Lup Lib Lup Cet Boo Lup Lib Lup Cet Cot Cir Cen | double star magnitude contrast Cen double star double star double star double star challenge star star double star star colored double star double star double star double star double star star double star challenge double star star double star star double star star double star star double star colored double star variable star double star challenge double star challenge double star variable star |
| ST504 h4690 ST505 Alpha ST506 Pi ST507 pi ST508 Zeta ST509 Alpha ST510 q ST511 Alpha ST512 c1 ST513 Epsilon ST514 Dunlop ST515 54 ST516 Alpha ST517 1883 ST518 Mu ST519 39 ST520 58 ST521 Kochab ST521 Kochab ST522 Zubenelgenubi ST523 Xi ST523 Xi ST524 h4715 ST525 33 ST526 Beta ST527 Pi ST528 44 ST529 Sigma ST530 Dunlop178 ST531 Kappa ST532 X ST533 1932 ST534 Mu ST535 1931 ST536 S ST537 Phi1 | Rigil Kentauru Pi BOO 1864 Alpha LUP q CEN Alpha CIR c1 CEN Izar Dunlop 169 H 97 Alpha APS 58 HYA Beta UMI Alpha LIB 37 Boo h4715 H 28 Beta LUP Pi OCT Sigma LIB Dunlop 178 Kappa LUP X TRA | 14 37.3 is 14 40.7 14 40.7 14 41.1 14 41.9 14 42.5 14 45.0 14 45.2 14 46.0 14 45.2 14 46.0 14 47.9 14 48.9 14 49.3 14 50.3 14 50.7 14 50.3 14 50.7 14 56.5 14 57.3 14 58.5 15 01.8 15 01.8 15 11.6 15 11.6 15 11.9 15 14.3 15 18.3 15 18.5 15 21.4 15 21.8 | -46 08 14 39.6 +16.4 +16 25 +13 44 -47.4 -37.8 -65 -35.2 +27 04 -55.6 -25 26 -79 +05 57 -14 09 +48 43 -28 +74.2 -16 +19 06 -47.9 -21 22 -43.1 -83.2 +47 39 -25.3 -48.7 -70.1 +26 50 -47.9 +10 26 +31.4 -36.3 | 5.4 -60 50 5 4.9 3.8 2.3 4 2.4 6.2 5.2 3.8 7.6 5.4 5.7 4.4 2.1 2.8 4.6 6 5.9 2.6 5.7 4.8 3.2 6.7 3.9 8.1 6.6 5.1 7 5.8 3.6 | 19" 0 5.6" 6" 1" * * 16" 17' 3" 68" 8" 10° 0.7" 2" 3" * * 4' 7" 2.4" 23" * 1.5" 1.5" 1.2" 13" * 50' | Lup 20" Boo Boo Boo Lup Cen Cir Cen Boo Cir Hya Aps Vir Lib Boo Lup Lib Lup Oct Boo Lup Lup Crb Lup | double star magnitude contrast Cen double star double star double star double star challenge star star double star star colored double star double star double star double star double star star double star challenge double star star star double star challenge double star star double star star double star colored double star variable star double star variable star |
| ST504 h4690 ST505 Alpha ST506 Pi ST507 pi ST508 Zeta ST509 Alpha ST510 q ST511 Alpha ST512 c1 ST513 Epsilon ST514 Dunlop ST515 54 ST516 Alpha ST517 1883 ST518 Mu ST519 39 ST520 58 ST521 Kochab ST522 Zubenelgenubi ST523 Xi ST523 Xi ST524 h4715 ST525 33 ST526 Beta ST527 Pi ST528 44 ST529 Sigma ST530 Dunlop178 ST531 Kappa ST532 X ST533 1932 ST534 Mu ST536 S ST537 Phi1 ST538 Eta | Rigil Kentauru Pi BOO 1864 Alpha LUP q CEN Alpha CIR c1 CEN Izar Dunlop 169 H 97 Alpha APS 58 HYA Beta UMI Alpha LIB 37 Boo h4715 H 28 Beta LUP Pi OCT Sigma LIB Dunlop 178 Kappa LUP X TRA Mu LUP S CRB | 14 37.3 is 14 40.7 14 40.7 14 41.1 14 41.9 14 42.0 14 42.5 14 43.7 14 45.0 14 45.2 14 46.0 14 47.9 14 48.9 14 49.3 14 50.3 14 50.3 14 50.7 14 50.3 15 15.4 15 11.6 15 11.6 15 11.6 15 11.8 15 18.5 15 18.7 15 21.4 15 21.8 15 23.2 | -46 08 14 39.6 +16.4 +16 25 +13 44 -47.4 -37.8 -65 -35.2 +27 04 -55.6 -25 26 -79 +05 57 -14 09 +48 43 -28 +74.2 -16 +19 06 -47.9 -21 22 -43.1 -83.2 +47 39 -25.3 -48.7 -70.1 +26 50 -47.9 +10 26 +31.4 -36.3 +30 17 | 5.4 -60 50 5 4.9 3.8 2.3 4 3.2 4 2.4 6.2 5.2 3.8 7.6 5.4 5.7 4.4 2.1 2.8 4.6 6 5.9 2.6 5.7 4.8 3.2 6.7 4.8 3.2 6.7 4.8 5.7 4.8 5.7 4.8 5.7 4.8 5.7 5.7 5.7 5.8 5.7 5.8 5.8 5.8 5.8 5.8 5.8 5.8 5.8 5.8 5.8 | 19" 0 5.6" 6" 1" * * 16" 17' 3" 68" 8" 10° 0.7" 2" 3" * * 4' 7" 2.4" 23" * 1.5" 1.5" 1.2" 13" * 50' 1.0" | Lup 20" Boo Boo Boo Cen Cir Cen Boo Cir Hya Aps Vir Lib Boo Lup Lib Boo Lup Lib Lup Cet Boo Lup Lib Lup CrB | double star magnitude contrast Cen double star double star double star double star challenge star star double star star colored double star double star double star star double star challenge double star challenge double star star double star star double star challenge double star star double star star double star colored double star variable star double star challenge double star variable star variable star variable star star double star star |
| ST504 h4690 ST505 Alpha ST506 Pi ST507 pi ST508 Zeta ST509 Alpha ST510 q ST511 Alpha ST511 C1 ST513 Epsilon ST514 Dunlop ST515 54 ST516 Alpha ST517 1883 ST518 Mu ST519 39 ST520 58 ST521 Kochab ST522 Zubenelgenubi ST523 Xi ST523 Xi ST524 h4715 ST523 Xi ST524 h4715 ST525 33 ST526 Beta ST527 Pi ST528 44 ST529 Sigma ST530 Dunlop178 ST531 Kappa ST532 X ST533 1932 ST534 Mu ST535 1931 ST536 S ST537 Phi1 ST538 Eta ST539 Mu | Rigil Kentauru Pi BOO 1864 Alpha LUP q CEN Alpha CIR c1 CEN Izar Dunlop 169 H 97 Alpha APS 58 HYA Beta UMI Alpha LIB 37 Boo h4715 H 28 Beta LUP Pi OCT Sigma LIB Dunlop 178 Kappa LUP X TRA Mu LUP S CRB Phi1 LUP | 14 37.3 is 14 40.7 14 40.7 14 41.1 14 41.9 14 42.5 14 45.1 14 45.2 14 45.2 14 46.0 14 47.9 14 48.9 14 49.3 14 49.7 14 50.3 14 50.7 14 50.3 14 50.7 14 56.5 15 01.8 15 03.8 15 04.1 15 11.6 15 11.9 15 14.3 15 18.5 15 18.7 15 21.4 15 21.8 15 23.2 15 24.5 | -46 08 14 39.6 +16.4 +16 25 +13 44 -47.4 -37.8 -65 -35.2 +27 04 -55.6 -25 26 -79 +05 57 -14 09 +48 43 -28 +74.2 -16 +19 06 -47.9 -21 22 -43.1 -83.2 +47 39 -25.3 -45.3 -48.7 -70.1 +26 50 -47.9 +10 26 +31.4 -36.3 +30 17 +37 23 | 5.4 -60 50 5 4.9 3.8 2.3 4 3.2 4 2.4 6.2 5.2 3.8 7.6 5.4 5.7 4.4 2.1 2.8 4.6 6 5.9 2.6 5.7 4.8 3.2 6.7 3.9 8.1 6.6 5.1 7 5.8 5.8 6.6 6.6 6.6 6.7 7 7 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 | 19" 0 5.6" 6" 1" * * 16" 17' 3" 68" 8" 10° 0.7" 2" 3" * * 4' 7" 2.4" 23" * 1.5" 1.5" 1.2" 1.3" * 50' 1.0" 2" | Lup 20" Boo Boo Boo Cen Cir Cen Boo Cir Hya Aps Vir Lib Boo Lup Lib Boo Lup Lib Lup Cet Boo Lup Lib Lup CrB Boo CrB Boo | double star magnitude contrast Cen double star double star double star double star challenge star star double star star colored double star double star double star star double star challenge double star challenge double star star double star challenge double star star double star star double star colored double star variable star double star variable star variable star variable star variable star star double star star double star challenge double star variable star star double star challenge double star variable star star |
| ST504 h4690 ST505 Alpha ST506 Pi ST507 pi ST508 Zeta ST509 Alpha ST510 q ST511 Alpha ST512 c1 ST513 Epsilon ST514 Dunlop ST515 54 ST516 Alpha ST517 1883 ST518 Mu ST519 39 ST520 58 ST521 Kochab ST522 Zubenelgenubi ST523 Xi ST523 Xi ST524 h4715 ST525 33 ST526 Beta ST527 Pi ST528 44 ST529 Sigma ST530 Dunlop178 ST531 Kappa ST532 X ST533 1932 ST534 Mu ST536 S ST537 Phi1 ST538 Eta | Rigil Kentauru Pi BOO 1864 Alpha LUP q CEN Alpha CIR c1 CEN Izar Dunlop 169 H 97 Alpha APS 58 HYA Beta UMI Alpha LIB 37 Boo h4715 H 28 Beta LUP Pi OCT Sigma LIB Dunlop 178 Kappa LUP X TRA Mu LUP S CRB | 14 37.3 is 14 40.7 14 40.7 14 41.1 14 41.9 14 42.0 14 42.5 14 43.7 14 45.0 14 45.2 14 46.0 14 47.9 14 48.9 14 49.3 14 50.3 14 50.3 14 50.7 14 50.3 15 15.4 15 11.6 15 11.6 15 11.6 15 11.8 15 18.5 15 18.7 15 21.4 15 21.8 15 23.2 | -46 08 14 39.6 +16.4 +16 25 +13 44 -47.4 -37.8 -65 -35.2 +27 04 -55.6 -25 26 -79 +05 57 -14 09 +48 43 -28 +74.2 -16 +19 06 -47.9 -21 22 -43.1 -83.2 +47 39 -25.3 -48.7 -70.1 +26 50 -47.9 +10 26 +31.4 -36.3 +30 17 | 5.4 -60 50 5 4.9 3.8 2.3 4 3.2 4 2.4 6.2 5.2 3.8 7.6 5.4 5.7 4.4 2.1 2.8 4.6 6 5.9 2.6 5.7 4.8 3.2 6.7 4.8 3.2 6.7 4.8 5.7 4.8 5.7 4.8 5.7 4.8 5.7 5.7 5.7 5.8 5.7 5.8 5.8 5.8 5.8 5.8 5.8 5.8 5.8 5.8 5.8 | 19" 0 5.6" 6" 1" * * 16" 17' 3" 68" 8" 10° 0.7" 2" 3" * * 4' 7" 2.4" 23" * 1.5" 1.5" 1.2" 13" * 50' 1.0" | Lup 20" Boo Boo Boo Cen Cir Cen Boo Cir Hya Aps Vir Lib Boo Lup Lib Boo Lup Lib Lup Cet Boo Lup Lib Lup CrB | double star magnitude contrast Cen double star double star double star double star challenge star star double star star colored double star double star double star star double star challenge double star challenge double star star double star star double star challenge double star star double star star double star colored double star variable star double star challenge double star variable star variable star variable star star double star star |

| ST541 Pi | 1972 | 15 29.2 | +80 26 | 6.9 | 31" | Umi | double star |
|------------------|---------------|-----------|---------|----------|-----------|-----|--------------------------------|
| ST542 Lal123 | | 15 33.1 | -24 29 | 7.5 | 9" | Lib | double star equal magnitude |
| ST543 Delta | Delta SER | 15 34.8 | +10.5 | 4 | 3.9" | Ser | double star |
| ST544 Gamma | Gamma LUP | 15 35.1 | -41.2 | 2.8 | * | Lup | star |
| ST545 h4788 | h4788 | 15 35.9 | -45 | 4.7 | 2.2" | Lup | double star |
| ST546 Upsilon | Upsilon LIB | 15 37.0 | -28.1 | 3.6 | 3" | Lib | colored double star |
| ST547 Omega | Omega LUP | 15 38.1 | -42.6 | 4.3 | * | Lup | red variable star |
| ST548 1962 | - 3 | 15 38.7 | -08 47 | 5.8 | 12" | Lib | double star equal magnitude |
| ST549 Tau | Tau LIB | 15 38.7 | -29.8 | 3.7 | 2° | Lib | star |
| ST550 Zeta | Zeta CRB | 15 39.4 | +36.6 | 5 | 6.3" | Crb | double star |
| ST551 Gamma | Gamma CRB | | +26.3 | 4.2 | 0.3" | Crb | double star challenge |
| ST552 Alpha | Alpha SER | 15 44.3 | +06.4 | 2.7 | * | Ser | star |
| ST553 R | Alpha OLIX | 15 48.6 | +28 09 | 5.7 | Stellar | CrB | variable star |
| ST554 Kappa | Kappa SER | 15 48.7 | +18.1 | 4.1 | * | Ser | red variable star |
| ST555 R | R SER | 15 50.7 | +15.1 | 5.2 | * | Ser | variable star |
| ST556 Xi | K SLK | 15 56.9 | -33 58 | 5.2 | 10" | | |
| | Dha CCO | | | | * | Lup | double star |
| ST557 Rho | Rho SCO | 15 56.9 | -29.2 | 3.9 | * | Sco | star |
| ST558 Epsilon | Epsilon CRB | 15 57.6 | +26.9 | 4.2 | * | Crb | star |
| ST559 Pi | Pi SCO | 15 58.9 | -26.1 | 2.9 | | Sco | star |
| ST560 T | | 15 59.5 | +25 55 | 2 | Stellar | CrB | variable star |
| ST561 Eta | Rmk 21 | 16 00.1 | -38 24 | 3.6 | 15" | Lup | double star magnitude contrast |
| ST562 Delta | Delta SCO | 16 00.3 | -22.6 | 2.3 | * | Sco | star |
| ST563 Xi | | 16 04.4 | -11 22 | 4.2 | 1" | Sco | triple star challenge |
| ST564 Graffias | Beta SCO | 16 05.4 | -19.8 | 2.5 | * | Sco | star |
| ST565 Omega1 | Omega1 SCC | 16 06.8 | -20.7 | 4 | 14' | Sco | star |
| ST566 Kappa | · · | 16 08.1 | +17 03 | 5 | 28" | Her | colored double star |
| ST567 Nu | | 16 12.0 | -19 28 | 4 | 1" | Sco | quadruple star |
| ST568 Delta | Delta OPH | 16 14.3 | -3.7 | 2.7 | * | Oph | star |
| ST569 Sigma | 2032, 17 Crl | - | 16 14.7 | +33 5 | 252 | 7" | CrB double star |
| ST570 Delta | Delta APS | 16 20.3 | -78.7 | 4.7 | * | Aps | double star |
| | H 121 | | -25 35 | 2.9 | 20" | Sco | |
| ST571 Sigma | | 16 21.2 | | | | | double star magnitude contrast |
| ST572 Rho | Rho OPH | 16 25.6 | -23.5 | 5.3 | 3.1" * | Oph | double star |
| ST573 V | V OPH | 16 26.7 | -12.4 | 7.3 | | Oph | variable star |
| ST574 Epsilon | Epsilon NOR | | -47.6 | 4.8 | 23" | Nor | double star |
| ST575 lota | Iota TRA | 16 28.0 | -64.1 | 5.3 | 20" | Tra | double star |
| ST576 2052 | Struve 2052 | 16 28.9 | +18.4 | 7.7 | 1.7" | Her | double star |
| ST577 Antares | Alpha SCO | 16 29.4 | -26.4 | 1 | 3" | Sco | double star challenge |
| ST578 Lambda | Lambda OPH | 16 30.9 | +02.0 | 4.2 | 1.4" | Oph | double star challenge |
| ST579 R | R DRA | 16 32.7 | +66.8 | 6.7 | * | Dra | variable star |
| ST580 16 | | 16 36.2 | +52 55 | 5.1 | 3" | Dra | triple star |
| ST581 H | H SCO | 16 36.4 | -35.3 | 4.2 | * | Sco | star |
| ST582 Zeta | Zeta OPH | 16 37.2 | -10.6 | 2.6 | * | Oph | star |
| ST583 SU | SU SCO | 16 40.6 | -32.4 | 8 | * | Sco | variable star |
| ST584 Zeta | Zeta HER | 16 41.3 | +31.6 | 3 | 1.4" | Her | colored double star |
| ST585 Alpha | Alpha TRA | 16 48.7 | -69 | 1.9 | * | Tra | star |
| ST586 Eta | Eta ARA | 16 49.8 | -59 | 3.8 | * | Ara | star |
| ST587 Epsilon | Epsilon SCO | 16 50.2 | -34.3 | 2.3 | * | Sco | star |
| ST588 Mu | Mu SCO | 16 52.3 | -34.5 | 3 | * | Sco | |
| ST589 20 | 20 DRA | | +65.0 | 7.1 | 1.4" | | star double star challenge |
| | | 16 56.4 | | | 1.4 * | Dra | · · |
| ST590 RR | RR SCO | 16 56.6 | -30.6 | 5.1 | | Sco | variable star |
| ST591 Kappa | Kappa OPH | 16 57.7 | +09.4 | 3.2 | 75' * | Oph | star |
| ST592 Zeta | Zeta ARA | 16 58.6 | -56 | 3.1 | | Ara | star |
| ST593 Epsilon1 | Epsilon1 ARA | | -53.2 | 4.1 | 40' | Ara | star |
| ST594 Mu | | 17 05.3 | +54 28 | 4.9 | 2" | Dra | double star equal magnitude |
| ST595 Eta | Eta OPH | 17 10.4 | -15.7 | 2.4 | 0.6" | Oph | double star challenge |
| ST596 Rasalgethi | Alpha HER | 17 14.6 | +14.4 | 3 | 4.6" | Her | double star equal magnitude |
| ST597 Delta | | 17 15.0 | +24 50 | 3.2 | 10" | Her | double star magnitude contrast |
| ST598 Pi | Pi HER | 17 15.0 | +36.8 | 3.2 | 7° | Her | star |
| ST599 36 | | 17 15.3 | -26 36 | 4.3 | 5" | Oph | double star equal magnitude |
| ST600 39 | | 17 18.0 | -24 17 | 5.2 | 10" | Oph | colored double star |
| ST601 Theta | Theta OPH | 17 22.0 | -25 | 3.3 | * | Oph | star |
| ST602 Rho | 2161, 75 He | er17 23.7 | +37 09 | 4.2 | 4" | Her | double star |
| ST603 Beta | Beta ARA | 17 25.3 | -55.5 | 2.9 | * | Ara | star |
| ST604 Gamma | Gamma ARA | | -56.4 | 3.3 | * | Ara | star |
| ST605 Sigma | Sigma OPH | 17 26.5 | +04.1 | 4.3 | 4° | Oph | star |
| ST606 h4949 | h4949 | 17 26.9 | -45.9 | 4.3 6 | 2.2" | Ara | double star |
| | 114343 | | | | | | |
| ST609 Lombdo | I amb de LIED | 17 30.4 | -01 04 | 6 | 1.1" * | Oph | double star challenge |
| ST608 Lambda | Lambda HER | | +26.1 | 4.4 | * | Her | star |
| ST609 Upsilon | • | 17 30.8 | -37.3 | 2.7 | | Sco | star |
| ST610 Alpha | Alpha ARA | 17 31.8 | -49.9 | 3 | * | Ara | star |
| ST611 Nu | | 17 32.2 | +55 11 | 4.9 | 62" | Dra | double star equal magnitude |
| ST612 Shaula | Lambda SCO | | -37.1 | 1.6 | 35' | Sco | star |
| ST613 Rasalhague | Alpha Oph | 17 34.9 | +12 34 | 2.1 | * | Oph | star |
| ST614 lota | Iota HER | 17 39.5 | +46.0 | 3.8 | * | Her | star |
| | | | | | | | |

| ST615 Psi | 2241 | 17 41.9 | +72 09 | 4.9 | 30" | Dra | double star |
|--|---|--|--|---|---|--|--|
| ST616 Kappa | Kappa SCO | 17 42.5 | -39 | 2.4 | 2.5° | Sco | star |
| ST617 V | V PAV | 17 43.3 | -57.7 | 5.7 | * | Pav | variable star |
| ST618 Beta | | 17 43.5 | +04.6 | 2.8 | * | | |
| | Beta OPH | | | | | Oph | star |
| ST619 61 | 2202 | 17 44.6 | +02 34 | 6.2 | 21" * | Oph | double star equal magnitude |
| ST620 SZ | SZ SGR | 17 45.0 | -18.6 | 9 | | Sgr | variable star |
| ST621 SX | SX SCO | 17 47.5 | -35.7 | 8.5 | * | Sco | variable star |
| ST622 G | G SCO | 17 49.9 | -37 | 3.2 | 2° | Sco | star |
| ST623 Y | Y OPH | 17 52.6 | -6.2 | 6 | * | Oph | variable star |
| ST624 Xi | Xi DRA | 17 53.5 | +56.9 | 3.8 | * | Dra | star |
| ST625 Gamma | Gamma DRA | | +51.5 | 2.2 | * | Dra | star |
| ST626 Barnards Star | 044 | 17 57.8 | +04 34 | 9.5 | Stellar | Oph | star |
| ST627 h5003 | | 17 57.0 | -30 15 | 5.5 | 6" | | colored double star |
| | C+ 0000 | | | | | Sgr | |
| ST628 2038 | Struve 2038 | 18 00.0 | +80.0 | 5.7 | 20" | Dra | double star equal magnitude |
| ST629 95 | | 18 01.5 | +21 36 | 4.3 | 6" | Her | double star equal magnitude |
| ST630 Tau | Tau OPH | 18 03.1 | -8.2 | 5.2 | 1.8" | Oph | double star challenge |
| ST631 70 | 2276 | 18 05.5 | +02 30 | 4 | 1.5" | Oph | double star challenge |
| ST632 Theta | Theta ARA | 18 06.6 | -50.1 | 3.7 | * | Ara | star |
| ST633 100 | 2280 | 18 07.8 | +26 06 | 5.9 | 14" | Her | double star equal magnitude |
| ST634 W | W LYR | 18 14.9 | +36.7 | 7.3 | * | Lyr | variable star |
| ST635 Eta | Eta SGR | 18 17.6 | -36.8 | 3.1 | * | Sgr | star |
| ST636 Kappa | Kappa LYR | 18 19.9 | +36.1 | 4.3 | * | . • | star |
| | | | | | * | Lyr | |
| ST637 Delta | Delta SGR | 18 21.0 | -29.8 | 2.7 | | Sgr | star |
| ST638 2306 | | 18 22.2 | -15 05 | 7.9 | 10" | Sct | double star |
| ST639 Xi | Xi PAV | 18 23.2 | -61.5 | 4.4 | * | Pav | star |
| ST640 39 | 2323 | 18 24.0 | +58 48 | 4.9 | 4" | Dra | triple star |
| ST641 21 | 21 SGR | 18 25.3 | -20.5 | 4.9 | 1.8" | Sgr | double star challenge |
| ST642 Alpha | Alpha TEL | 18 27.0 | -46 | 3.5 | 6' | Tel | star |
| ST643 59 | | 18 27.2 | +00 12 | 5.2 | 4" | Ser | colored double star |
| ST644 Lambda | Lambda SGR | | -25.4 | 2.8 | * | Sgr | star |
| ST645 SS | SS SGR | 18 30.4 | -16.9 | 9 | * | | variable star |
| | | | | | | Sgr | |
| ST646 Delta | Delta TEL | 18 31.8 | -45.9 | 5 | 11' | Tel | double star |
| ST647 T | T LYR | 18 32.3 | +37.0 | 7.8 | * | Lyr | red variable star |
| ST648 Kappa | 222 | 18 33.4 | -38 44 | 5.9 | 21" | CrA | double star equal magnitude |
| ST649 2348 | | 18 33.9 | +52 18 | 6 | 26" | Dra | double star |
| ST650 Alpha | Alpha SCT | 18 35.2 | -8.2 | 3.9 | * | Sct | star |
| | • | 40.05.5 | . 00 00 | 0.0 | 0.71 | Llor | alassiala, akan alaallasana |
| ST651 O 359 | | 18 35.5 | +23 30 | 0.3 | 0.7 | Her | double star challenge |
| ST651 O 359 ST652 O 358 | ADS 11483 | 18 35.5 18 35 9 | +23 36 +17 0 | 6.3 6.8 | 0.7" 1.6" | | double star challenge |
| ST652 O 358 | ADS 11483 | 18 35.9 | +17.0 | 6.8 | 1.6" | Her | double star challenge |
| ST652 O 358 ST653 Vega | Alpha Lyr | 18 35.9 18 36.9 | +17.0 +38 47 | 6.8 0 | | Her Lyr | double star challenge star |
| ST652 O 358 ST653 Vega ST654 X | Alpha Lyr X OPH | 18 35.9 18 36.9 18 38.3 | +17.0 +38 47 +08.8 | 6.8 0 5.9 | 1.6" Stellar | Her Lyr Oph | double star challenge star variable star |
| ST652 O 358 ST653 Vega ST654 X ST655 HK | Alpha Lyr X OPH HK LYR | 18 35.9 18 36.9 18 38.3 18 42.8 | +17.0 +38 47 +08.8 +37.0 | 6.8 0 5.9 9.5 | 1.6" Stellar * | Her Lyr Oph Lyr | double star challenge star variable star variable star |
| ST652 O 358 ST653 Vega ST654 X ST655 HK ST656 2398 | Alpha Lyr X OPH HK LYR Struve 2398 | 18 35.9 18 36.9 18 38.3 18 42.8 18 43.0 | +17.0 +38 47 +08.8 +37.0 +59.6 | 6.8 0 5.9 9.5 | 1.6" Stellar * * 13" | Her Lyr Oph Lyr Dra | double star challenge star variable star variable star double star |
| ST652 O 358 ST653 Vega ST654 X ST655 HK ST656 2398 ST657 Epsilon | Alpha Lyr X OPH HK LYR | 18 35.9 18 36.9 18 38.3 18 42.8 18 43.0 | +17.0 +38 47 +08.8 +37.0 +59.6 18 44.3 | 6.8 0 5.9 9.5 8 +39 40 | 1.6" Stellar * * 13" 4.7 | Her Lyr Oph Lyr | double star challenge star variable star variable star double star Lyr quadruple star |
| ST652 O 358 ST653 Vega ST654 X ST655 HK ST656 2398 | Alpha Lyr X OPH HK LYR Struve 2398 | 18 35.9 18 36.9 18 38.3 18 42.8 18 43.0 | +17.0 +38 47 +08.8 +37.0 +59.6 | 6.8 0 5.9 9.5 | 1.6" Stellar * * 13" | Her Lyr Oph Lyr Dra | double star challenge star variable star variable star double star |
| ST652 O 358 ST653 Vega ST654 X ST655 HK ST656 2398 ST657 Epsilon | Alpha Lyr X OPH HK LYR Struve 2398 | 18 35.9 18 36.9 18 38.3 18 42.8 18 43.0 | +17.0 +38 47 +08.8 +37.0 +59.6 18 44.3 | 6.8 0 5.9 9.5 8 +39 40 | 1.6" Stellar * * 13" 4.7 | Her Lyr Oph Lyr Dra 2" | double star challenge star variable star variable star double star Lyr quadruple star |
| ST652 O 358 ST653 Vega ST654 X ST655 HK ST656 2398 ST657 Epsilon ST658 Zeta | Alpha Lyr X OPH HK LYR Struve 2398 | 18 35.9 18 36.9 18 38.3 18 42.8 18 43.0 9, | +17.0 +38 47 +08.8 +37.0 +59.6 18 44.3 +37 36 | 6.8 0 5.9 9.5 8 +39 40 4.4 | 1.6" Stellar * * 13" 4.7 44" | Her Lyr Oph Lyr Dra 2" Lyr | double star challenge star variable star variable star double star Lyr quadruple star double star |
| ST652 O 358 ST653 Vega ST654 X ST655 HK ST656 2398 ST657 Epsilon ST658 Zeta ST659 2375 ST660 5 | Alpha Lyr X OPH HK LYR Struve 2398 Double-Double | 18 35.9 18 36.9 18 38.3 18 42.8 18 43.0 9, 18 44.8 18 45.5 18 46.5 | +17.0 +38 47 +08.8 +37.0 +59.6 18 44.3 +37 36 +05 30 -00 58 | 6.8 0 5.9 9.5 8 +39 40 4.4 6.2 5.8 | 1.6" Stellar * * 13" 4.7 44" 2" 13" | Her Lyr Oph Lyr Dra 2" Lyr Ser Aql | double star challenge star variable star variable star double star Lyr quadruple star double star double star double star |
| ST652 O 358 ST653 Vega ST654 X ST655 HK ST656 2398 ST657 Epsilon ST658 Zeta ST659 2375 ST660 5 ST661 R | Alpha Lyr X OPH HK LYR Struve 2398 Double-Double | 18 35.9 18 36.9 18 38.3 18 42.8 18 43.0 9, 18 44.8 18 45.5 18 46.5 18 47.5 | +17.0 +38 47 +08.8 +37.0 +59.6 18 44.3 +37 36 +05 30 -00 58 -05 42 | 6.8 0 5.9 9.5 8 +39 40 4.4 6.2 5.8 4.5 | 1.6" Stellar * * 13" 4.7 44" 2" 13" Stellar | Her Lyr Oph Lyr Dra 2" Lyr Ser Aql Sct | double star challenge star variable star variable star double star Lyr quadruple star double star double star double star variable star equal magnitude triple star variable star |
| ST652 O 358 ST653 Vega ST654 X ST655 HK ST656 2398 ST657 Epsilon ST658 Zeta ST659 2375 ST660 5 ST661 R ST662 Beta | Alpha Lyr X OPH HK LYR Struve 2398 Double-Double | 18 35.9 18 36.9 18 38.3 18 42.8 18 43.0 9, 18 44.8 18 45.5 18 46.5 18 47.5 18 50.0 | +17.0 +38 47 +08.8 +37.0 +59.6 18 44.3 +37 36 +05 30 -00 58 -05 42 +33 24 | 6.8 0 5.9 9.5 8 +39 40 4.4 6.2 5.8 4.5 3.5 | 1.6" Stellar * * 13" 4.7 44" 2" 13" Stellar 47" | Her Lyr Oph Lyr Dra 2" Lyr Ser Aql Sct Lyr | double star challenge star variable star variable star double star Lyr quadruple star double star double star double star double star double star equal magnitude triple star variable star double star magnitude contrast |
| ST652 O 358 ST653 Vega ST654 X ST655 HK ST656 2398 ST657 Epsilon ST658 Zeta ST659 2375 ST660 5 ST661 R ST662 Beta ST663 S | Alpha Lyr X OPH HK LYR Struve 2398 Double-Double | 18 35.9 18 36.9 18 38.3 18 42.8 18 43.0 9, 18 44.8 18 45.5 18 46.5 18 47.5 18 50.0 18 50.3 | +17.0 +38 47 +08.8 +37.0 +59.6 18 44.3 +37 36 +05 30 -00 58 -05 42 +33 24 -7.9 | 6.8 0 5.9 9.5 8 +39 40 4.4 6.2 5.8 4.5 3.5 6.8 | 1.6" Stellar * * 13" 4.7 44" 2" 13" Stellar 47" 14.3" | Her Lyr Oph Lyr Dra 2" Lyr Ser Aql Sct Lyr Sct | double star challenge star variable star variable star double star Lyr quadruple star double star double star double star double star double star variable star double star double star double star |
| ST652 O 358 ST653 Vega ST654 X ST655 HK ST656 2398 ST657 Epsilon ST658 Zeta ST659 2375 ST660 5 ST661 R ST662 Beta ST663 S ST664 2404 | Alpha Lyr X OPH HK LYR Struve 2398 Double-Double 2379 | 18 35.9 18 36.9 18 38.3 18 42.8 18 43.0 3, 18 44.8 18 45.5 18 46.5 18 47.5 18 50.0 18 50.3 18 50.8 | +17.0 +38 47 +08.8 +37.0 +59.6 18 44.3 +37 36 +05 30 -00 58 -05 42 +33 24 -7.9 +10 59 | 6.8 0 5.9 9.5 8 +39 40 4.4 6.2 5.8 4.5 3.5 6.8 6.9 | 1.6" Stellar * * 13" 4.7 44" 2" 13" Stellar 47" 14.3" 4" | Her Lyr Oph Lyr Dra 2" Lyr Ser Aql Sct Lyr Sct Aql | double star challenge star variable star variable star double star Lyr quadruple star double star double star equal magnitude triple star variable star double star |
| ST652 O 358 ST653 Vega ST654 X ST655 HK ST656 2398 ST657 Epsilon ST658 Zeta ST659 2375 ST660 5 ST661 R ST662 Beta ST663 S ST664 2404 ST665 Omicron | Alpha Lyr X OPH HK LYR Struve 2398 Double-Double 2379 S SCT | 18 35.9 18 36.9 18 38.3 18 42.8 18 43.0 9, 18 44.8 18 45.5 18 46.5 18 47.5 18 50.0 18 50.3 18 50.8 18 51.2 | +17.0 +38 47 +08.8 +37.0 +59.6 18 44.3 +37 36 +05 30 -00 58 -05 42 +33 24 -7.9 +10 59 +59 22 | 6.8 0 5.9 9.5 8 +39 40 4.4 6.2 5.8 4.5 6.8 6.9 4.9 | 1.6" Stellar * * 13" 4.7 44" 2" 13" Stellar 47" 14.3" | Her Lyr Oph Lyr Dra 2" Lyr Ser Aql Sct Lyr Sct Aql Dra | double star challenge star variable star variable star double star Lyr quadruple star double star double star double star equal magnitude triple star variable star double star |
| ST652 O 358 ST653 Vega ST654 X ST655 HK ST656 2398 ST657 Epsilon ST658 Zeta ST659 2375 ST660 5 ST661 R ST662 Beta ST663 S ST664 2404 ST665 Omicron ST666 Delta2 | Alpha Lyr X OPH HK LYR Struve 2398 Double-Double 2379 | 18 35.9 18 36.9 18 38.3 18 42.8 18 43.0 3, 18 44.8 18 45.5 18 46.5 18 46.5 18 50.0 18 50.3 18 50.8 18 51.2 18 54.5 | +17.0 +38 47 +08.8 +37.0 +59.6 18 44.3 +37 36 +05 30 -00 58 -05 42 +33 24 -7.9 +10 59 +59 22 +36.9 | 6.8 0 5.9 9.5 8 +39 40 4.4 6.2 5.8 4.5 3.5 6.8 6.9 4.9 | 1.6" Stellar * * 13" 4.7 44" 2" 13" Stellar 47" 14.3" 4" 35" * | Her Lyr Oph Lyr Dra 2" Lyr Ser Aql Sct Lyr Sct Aql Dra Cyg | double star challenge star variable star variable star double star Lyr quadruple star double star double star double star equal magnitude triple star variable star double star magnitude contrast double star double star double star double star star star |
| ST652 O 358 ST653 Vega ST654 X ST655 HK ST656 2398 ST657 Epsilon ST658 Zeta ST659 2375 ST660 5 ST661 R ST662 Beta ST663 S ST664 2404 ST665 Omicron ST666 Delta2 ST667 O 525 | Alpha Lyr X OPH HK LYR Struve 2398 Double-Double 2379 S SCT 2420 Delta2 LYR | 18 35.9 18 36.9 18 38.3 18 42.8 18 43.0 9, 18 44.8 18 45.5 18 46.5 18 47.5 18 50.0 18 50.3 18 50.8 18 51.2 18 54.5 18 54.9 | +17.0 +38 47 +08.8 +37.0 +59.6 18 44.3 +37 36 +05 30 -00 58 -05 42 +33 24 -7.9 +10 59 +59 22 +36.9 +33 58 | 6.8 0 5.9 9.5 8 +39 40 4.4 6.2 5.8 4.5 3.5 6.8 6.9 4.9 4.5 6 | 1.6" Stellar * * 13" 4.7 44" 2" 13" Stellar 47" 14.3" 4" 35" * 45" | Her Lyr Oph Lyr Dra 2" Lyr Ser Aql Sct Lyr Sct Aql Dra Cyg Lyr | double star challenge star variable star variable star double star Lyr quadruple star double star double star equal magnitude triple star variable star double star magnitude contrast double star magnitude contrast double star double star colored double star colored double star |
| ST652 O 358 ST653 Vega ST654 X ST655 HK ST656 2398 ST657 Epsilon ST658 Zeta ST659 2375 ST660 5 ST661 R ST662 Beta ST663 S ST664 2404 ST665 Omicron ST666 Delta2 ST667 O 525 ST668 Sigma | Alpha Lyr X OPH HK LYR Struve 2398 Double-Double 2379 S SCT | 18 35.9 18 36.9 18 38.3 18 42.8 18 43.0 18 44.8 18 45.5 18 46.5 18 47.5 18 50.0 18 50.3 18 50.8 18 51.2 18 54.5 18 54.5 18 54.9 18 55.3 | +17.0 +38 47 +08.8 +37.0 +59.6 18 44.3 +37 36 +05 30 -00 58 -05 42 +33 24 -7.9 +10 59 +59 22 +36.9 +33 58 -26.3 | 6.8 0 5.9 9.5 8 +39 40 4.4 6.2 5.8 4.5 3.5 6.8 6.9 4.9 | 1.6" Stellar * * 13" 4.7 44" 2" 13" Stellar 47" 14.3" 4" 35" * | Her Lyr Oph Lyr Dra 2" Lyr Ser Aql Sct Lyr Sct Aql Dra Cyg | double star challenge star variable star variable star double star Lyr quadruple star double star double star double star equal magnitude triple star variable star double star magnitude contrast double star double star double star double star star star |
| ST652 O 358 ST653 Vega ST654 X ST655 HK ST656 2398 ST657 Epsilon ST658 Zeta ST659 2375 ST660 5 ST661 R ST662 Beta ST663 S ST664 2404 ST665 Omicron ST666 Delta2 ST667 O 525 | Alpha Lyr X OPH HK LYR Struve 2398 Double-Double 2379 S SCT 2420 Delta2 LYR | 18 35.9 18 36.9 18 38.3 18 42.8 18 43.0 9, 18 44.8 18 45.5 18 46.5 18 47.5 18 50.0 18 50.3 18 50.8 18 51.2 18 54.5 18 54.9 | +17.0 +38 47 +08.8 +37.0 +59.6 18 44.3 +37 36 +05 30 -00 58 -05 42 +33 24 -7.9 +10 59 +59 22 +36.9 +33 58 | 6.8 0 5.9 9.5 8 +39 40 4.4 6.2 5.8 4.5 3.5 6.8 6.9 4.9 4.5 6 | 1.6" Stellar * * 13" 4.7 44" 2" 13" Stellar 47" 14.3" 4" 35" * 45" | Her Lyr Oph Lyr Dra 2" Lyr Ser Aql Sct Lyr Sct Aql Dra Cyg Lyr | double star challenge star variable star variable star double star Lyr quadruple star double star double star equal magnitude triple star variable star double star magnitude contrast double star magnitude contrast double star double star colored double star colored double star |
| ST652 O 358 ST653 Vega ST654 X ST655 HK ST656 2398 ST657 Epsilon ST658 Zeta ST659 2375 ST660 5 ST661 R ST662 Beta ST663 S ST664 2404 ST665 Omicron ST666 Delta2 ST667 O 525 ST668 Sigma | Alpha Lyr X OPH HK LYR Struve 2398 Double-Double 2379 S SCT 2420 Delta2 LYR Sigma SGR | 18 35.9 18 36.9 18 38.3 18 42.8 18 43.0 5, 18 44.8 18 45.5 18 46.5 18 47.5 18 50.0 18 50.0 18 50.3 18 50.8 18 51.2 18 54.5 18 54.5 18 55.3 18 55.3 | +17.0 +38 47 +08.8 +37.0 +59.6 18 44.3 +37 36 +05 30 -00 58 -05 42 +33 24 -7.9 +10 59 +59 22 +36.9 +33 58 -26.3 | 6.8 0 5.9 9.5 8 +39 40 4.4 6.2 5.8 4.5 3.5 6.8 6.9 4.9 4.5 6 | 1.6" Stellar * * 13" 4.7 44" 2" 13" Stellar 47" 14.3" 4" 35" * 45" * | Her Lyr Oph Lyr Dra 2" Lyr Ser Aql Sct Lyr Sct Aql Dra Cyg Lyr Sgr | double star challenge star variable star variable star double star Lyr quadruple star double star double star equal magnitude triple star variable star double star double star magnitude contrast double star double star colored double star star star |
| ST652 O 358 ST653 Vega ST654 X ST655 HK ST656 2398 ST657 Epsilon ST658 Zeta ST659 2375 ST660 5 ST661 R ST662 Beta ST663 S ST664 2404 ST665 Omicron ST666 Delta2 ST667 O 525 ST668 Sigma ST669 13 ST670 Theta | Alpha Lyr X OPH HK LYR Struve 2398 Double-Double 2379 S SCT 2420 Delta2 LYR Sigma SGR 13 LYR 2417, 63 Se | 18 35.9 18 36.9 18 38.3 18 42.8 18 43.0 5, 18 44.8 18 45.5 18 46.5 18 47.5 18 50.0 18 50.0 18 50.3 18 50.3 18 54.5 18 54.5 18 55.3 18 55.3 18 55.3 18 56.3 | +17.0 +38 47 +08.8 +37.0 +59.6 18 44.3 +37 36 +05 30 -00 58 -05 42 +33 24 -7.9 +10 59 +59 22 +36.9 +33 58 -26.3 +43.9 +04 11 | 6.8 0 5.9 9.5 8 +39 40 4.4 6.2 5.8 4.5 3.5 6.9 4.9 4.5 6 2 3.9 4.1 | 1.6" Stellar * * 13" 4.7 44" 2" 13" Stellar 47" 14.3" 4" 4" 4" 4" 4" 4" 4" 4" 4" 4" 4" 4" 4" | Her Lyr Oph Lyr Dra 2" Lyr Ser Aql Sct Lyr Sct Aql Dra Cyg Lyr Sgr Lyr Sgr Lyr | double star challenge star variable star variable star double star Lyr quadruple star double star double star equal magnitude triple star variable star double star magnitude contrast double star double star colored double star star star star double star |
| ST652 O 358 ST653 Vega ST654 X ST655 HK ST656 2398 ST657 Epsilon ST658 Zeta ST659 2375 ST660 5 ST661 R ST662 Beta ST663 S ST664 2404 ST665 Omicron ST666 Delta2 ST667 O 525 ST668 Sigma ST669 13 ST670 Theta ST671 ADS11871 | Alpha Lyr X OPH HK LYR Struve 2398 Double-Double 2379 S SCT 2420 Delta2 LYR Sigma SGR 13 LYR 2417, 63 Se ADS 11871 | 18 35.9 18 36.9 18 38.3 18 42.8 18 43.0 2, 18 44.8 18 45.5 18 46.5 18 47.5 18 50.0 18 50.3 18 50.8 18 51.2 18 54.5 18 54.5 18 55.3 18 55.3 18 55.3 18 56.3 18 57.0 | +17.0 +38 47 +08.8 +37.0 +59.6 18 44.3 +37 36 +05 30 -00 58 -05 42 +33 24 -7.9 +10 59 +59 22 +36.9 +33 58 -26.3 +43.9 +04 11 +32.9 | 6.8 0 5.9 9.5 8 +39 40 4.4 6.2 5.8 4.5 6.8 6.9 4.5 6 2 3.9 4.1 5.4 | 1.6" Stellar * * 13" 4.7 44" 2" 13" Stellar 47" 14.3" 4" 45" * 4 22" 1" | Her Lyr Oph Lyr Dra 2" Lyr Ser Aql Sct Lyr Sct Aql Dra Cyg Lyr Sgr Lyr Ser Lyr | double star challenge star variable star variable star double star Lyr quadruple star double star double star equal magnitude triple star variable star double star magnitude contrast double star double star colored double star star star star double star double star double star double star star star star double star double star |
| ST652 O 358 ST653 Vega ST654 X ST655 HK ST656 2398 ST657 Epsilon ST658 Zeta ST659 2375 ST660 5 ST661 R ST662 Beta ST663 S ST664 2404 ST665 Omicron ST666 Delta2 ST667 O 525 ST668 Sigma ST669 13 ST670 Theta ST671 ADS11871 ST672 2422 | Alpha Lyr X OPH HK LYR Struve 2398 Double-Double 2379 S SCT 2420 Delta2 LYR Sigma SGR 13 LYR 2417, 63 Se ADS 11871 Struve 2422 | 18 35.9 18 36.9 18 38.3 18 42.8 18 43.0 9, 18 44.8 18 45.5 18 46.5 18 47.5 18 50.0 18 50.3 18 50.8 18 54.5 18 54.5 18 54.5 18 55.3 18 55.3 18 55.3 18 55.3 18 56.3 18 57.0 18 57.1 | +17.0 +38 47 +08.8 +37.0 +59.6 18 44.3 +37 36 +05 30 -00 58 -05 42 +33 24 -7.9 +10 59 +59 22 +36.9 +33 58 -26.3 +43.9 +04 11 +32.9 +26.1 | 6.8 0 5.9 9.5 8 +39 40 4.4 6.2 5.8 4.5 6.8 6.9 4.5 6 2 3.9 4.1 5.4 8 | 1.6" Stellar * * 13" 4.7 44" 2" 13" Stellar 47" 14.3" 4" 4" 4" 4" 4" 4" 4" 4" 4" 4" 4" 4" 4" | Her Lyr Oph Lyr Dra 2" Lyr Ser Aql Sct Lyr Sct Aql Dra Cyg Lyr Sgr Lyr Ser Lyr Sgr Lyr Lyr | double star challenge star variable star variable star double star Lyr quadruple star double star equal magnitude triple star variable star double star adouble star double star star colored double star star double star challenge double star challenge |
| ST652 O 358 ST653 Vega ST654 X ST655 HK ST656 2398 ST657 Epsilon ST658 Zeta ST659 2375 ST660 5 ST661 R ST662 Beta ST663 S ST664 2404 ST665 Omicron ST666 Delta2 ST667 O 525 ST668 Sigma ST669 13 ST670 Theta ST671 ADS11871 ST672 2422 ST673 UV | Alpha Lyr X OPH HK LYR Struve 2398 Double-Double 2379 S SCT 2420 Delta2 LYR Sigma SGR 13 LYR 2417, 63 Se ADS 11871 | 18 35.9 18 36.9 18 38.3 18 42.8 18 43.0 9, 18 44.8 18 45.5 18 46.5 18 47.5 18 50.0 18 50.3 18 50.8 18 54.5 18 54.5 18 54.9 18 55.3 18 55.3 18 56.3 18 57.0 18 57.1 18 58.6 | +17.0 +38 47 +08.8 +37.0 +59.6 18 44.3 +37 36 +05 30 -00 58 -05 42 +33 24 -7.9 +10 59 +59 22 +36.9 +33 58 -26.3 +43.9 +04 11 +32.9 +26.1 +14.4 | 6.8 0 5.9 9.5 8 +39 40 4.4 6.2 5.8 4.5 6.9 4.5 6 2 3.9 4.1 5.4 8 8.6 | 1.6" Stellar * * 13" 4.7 44" 2" 13" Stellar 47" 14.3" 4" 45" * 4 22" 1" 0.7" * | Her Lyr Oph Lyr Dra 2" Lyr Ser Aql Sct Lyr Sct Aql Dra Cyg Lyr Sgr Lyr Ser Lyr Ser Lyr Aql | double star challenge star variable star variable star double star Lyr quadruple star double star equal magnitude triple star variable star double star magnitude contrast double star star colored double star star double star double star star double star challenge double star challenge variable star |
| ST652 O 358 ST653 Vega ST654 X ST655 HK ST656 2398 ST657 Epsilon ST658 Zeta ST659 2375 ST660 5 ST661 R ST662 Beta ST663 S ST664 2404 ST665 Omicron ST666 Delta2 ST667 O 525 ST668 Sigma ST669 13 ST670 Theta ST671 ADS11871 ST672 2422 ST673 UV ST674 2426 | Alpha Lyr X OPH HK LYR Struve 2398 Double-Double 2379 S SCT 2420 Delta2 LYR Sigma SGR 13 LYR 2417, 63 Se ADS 11871 Struve 2422 | 18 35.9 18 36.9 18 38.3 18 42.8 18 43.0 3, 18 44.8 18 45.5 18 46.5 18 46.5 18 50.0 18 50.3 18 50.8 18 51.2 18 54.5 18 54.5 18 55.3 18 55.3 18 55.3 18 55.3 18 57.0 18 57.1 18 58.6 19 00.0 | +17.0 +38 47 +08.8 +37.0 +59.6 18 44.3 +37 36 +05 30 -00 58 -05 42 +33 24 -7.9 +10 59 +59 22 +36.9 +33 58 -26.3 +43.9 +04 11 +32.9 +26.1 +14.4 +12 53 | 6.8 0 5.9 9.5 8 +39 40 4.4 6.2 5.8 4.5 6.9 4.5 6 2 3.9 4.1 5.4 8 8.6 7.1 | 1.6" Stellar * * 13" 4.7 44" 2" 13" Stellar 47" 14.3" 4" 35" * 4 22" 1" 0.7" * | Her Lyr Oph Lyr Dra 2" Lyr Ser Aql Sct Lyr Sct Aql Dra Cyg Lyr Sgr Lyr Sgr Lyr Lyr Aql Aql | double star challenge star variable star variable star double star Lyr quadruple star double star double star equal magnitude triple star variable star double star magnitude contrast double star magnitude contrast double star double star star colored double star star star colored double star double star double star star star colored double star challenge double star challenge variable star colored double star colored double star |
| ST652 O 358 ST653 Vega ST654 X ST655 HK ST656 2398 ST657 Epsilon ST658 Zeta ST659 2375 ST660 5 ST661 R ST662 Beta ST663 S ST664 2404 ST665 Omicron ST666 Delta2 ST667 O 525 ST668 Sigma ST669 13 ST670 Theta ST671 ADS11871 ST672 2422 ST673 UV ST674 2426 ST675 BrsO14 | Alpha Lyr X OPH HK LYR Struve 2398 Double-Double 2379 S SCT 2420 Delta2 LYR Sigma SGR 13 LYR 2417, 63 Se ADS 11871 Struve 2422 | 18 35.9 18 36.9 18 38.3 18 42.8 18 43.0 3, 18 44.8 18 45.5 18 46.5 18 46.5 18 50.0 18 50.3 18 50.8 18 51.2 18 54.5 18 54.5 18 55.3 18 55.3 18 55.3 18 55.3 18 57.0 18 57.1 18 58.6 19 00.0 19 01.1 | +17.0 +38 47 +08.8 +37.0 +59.6 18 44.3 +37 36 +05 30 -00 58 -05 42 +33 24 -7.9 +10 59 +59 22 +36.9 +33 58 -26.3 +43.9 +04 11 +32.9 +26.1 +14.4 +12 53 -37 03 | 6.8 0 5.9 9.5 8 +39 40 4.4 6.2 5.8 6.9 4.5 6 2 3.9 4.1 5.4 8 8.6 7.1 6.6 | 1.6" Stellar * * 13" 4.7 44" 2" 13" Stellar 47" 14.3" 4" 35" * 45.2" 1" 0.7" * 17" 13" | Her Lyr Oph Lyr Dra 2" Lyr Ser Aql Sct Lyr Sct Aql Dra Cyg Lyr Sgr Lyr Ser Lyr Ser Lyr Aql Aql Cra | double star challenge star variable star variable star double star Lyr quadruple star double star double star equal magnitude triple star variable star double star magnitude contrast double star magnitude contrast double star double star double star double star double star star colored double star star star double star challenge double star challenge variable star colored double star double star challenge variable star colored double star double star double star double star equal magnitude |
| ST652 O 358 ST653 Vega ST654 X ST655 HK ST656 2398 ST657 Epsilon ST658 Zeta ST659 2375 ST660 5 ST661 R ST662 Beta ST663 S ST664 2404 ST665 Omicron ST666 Delta2 ST667 O 525 ST668 Sigma ST669 13 ST670 Theta ST671 ADS11871 ST672 2422 ST673 UV ST674 2426 ST675 BrsO14 ST676 h5082 | Alpha Lyr X OPH HK LYR Struve 2398 Double-Double 2379 S SCT 2420 Delta2 LYR Sigma SGR 13 LYR 2417, 63 Se ADS 11871 Struve 2422 | 18 35.9 18 36.9 18 38.3 18 42.8 18 43.0 9, 18 44.8 18 45.5 18 45.5 18 50.0 18 50.3 18 50.8 18 51.2 18 54.5 18 54.5 18 55.3 18 55.3 18 56.3 18 57.1 18 58.6 19 00.0 19 01.1 19 03.1 | +17.0 +38 47 +08.8 +37.0 +59.6 18 44.3 +37 36 +05 30 -00 58 -05 42 +33 24 -7.9 +10 59 +59 22 +36.9 +33 58 -26.3 +43.9 +04 11 +32.9 +26.1 +14.4 +12 53 -37 03 -19 14 | 6.8 0 5.9 9.5 8 +39 40 4.4 6.2 5.8 4.5 6.9 4.5 6 2 3.9 4.1 5.4 8 8.6 7.1 | 1.6" Stellar * * 13" 4.7 44" 2" 13" Stellar 47" 14.3" 4" 35" * 45.2" 1" 0.7" * 17" 13" 7" | Her Lyr Oph Lyr Dra 2" Lyr Ser Aql Sct Lyr Sct Aql Dra Cyg Lyr Sgr Lyr Sgr Lyr Lyr Aql Aql | double star challenge star variable star variable star double star Lyr quadruple star double star double star equal magnitude triple star variable star double star magnitude contrast double star double star double star star colored double star star star double star challenge double star challenge variable star colored double star double star double star challenge variable star colored double star double star challenge variable star colored double star double star double star equal magnitude triple star |
| ST652 O 358 ST653 Vega ST654 X ST655 HK ST656 2398 ST657 Epsilon ST658 Zeta ST659 2375 ST660 5 ST661 R ST662 Beta ST663 S ST664 2404 ST665 Omicron ST666 Delta2 ST667 O 525 ST668 Sigma ST669 13 ST670 Theta ST671 ADS11871 ST672 2422 ST673 UV ST674 2426 ST675 BrsO14 | Alpha Lyr X OPH HK LYR Struve 2398 Double-Double 2379 S SCT 2420 Delta2 LYR Sigma SGR 13 LYR 2417, 63 Se ADS 11871 Struve 2422 | 18 35.9 18 36.9 18 38.3 18 42.8 18 43.0 3, 18 44.8 18 45.5 18 46.5 18 46.5 18 50.0 18 50.3 18 50.8 18 51.2 18 54.5 18 54.5 18 55.3 18 55.3 18 55.3 18 55.3 18 57.0 18 57.1 18 58.6 19 00.0 19 01.1 | +17.0 +38 47 +08.8 +37.0 +59.6 18 44.3 +37 36 +05 30 -00 58 -05 42 +33 24 -7.9 +10 59 +59 22 +36.9 +33 58 -26.3 +43.9 +04 11 +32.9 +26.1 +14.4 +12 53 -37 03 | 6.8 0 5.9 9.5 8 +39 40 4.4 6.2 5.8 6.9 4.5 6 2 3.9 4.1 5.4 8 8.6 7.1 6.6 | 1.6" Stellar * * 13" 4.7 44" 2" 13" Stellar 47" 14.3" 4" 35" * 45.2" 1" 0.7" * 17" 13" | Her Lyr Oph Lyr Dra 2" Lyr Ser Aql Sct Lyr Sct Aql Dra Cyg Lyr Sgr Lyr Ser Lyr Ser Lyr Aql Aql Cra | double star challenge star variable star variable star double star Lyr quadruple star double star double star equal magnitude triple star variable star double star magnitude contrast double star magnitude contrast double star double star double star double star double star star colored double star star star double star challenge double star challenge variable star colored double star double star challenge variable star colored double star double star double star double star equal magnitude |
| ST652 O 358 ST653 Vega ST654 X ST655 HK ST656 2398 ST657 Epsilon ST658 Zeta ST659 2375 ST660 5 ST661 R ST662 Beta ST663 S ST664 2404 ST665 Omicron ST666 Delta2 ST667 O 525 ST668 Sigma ST669 13 ST670 Theta ST671 ADS11871 ST672 2422 ST673 UV ST674 2426 ST675 BrsO14 ST676 h5082 | Alpha Lyr X OPH HK LYR Struve 2398 Double-Double 2379 S SCT 2420 Delta2 LYR Sigma SGR 13 LYR 2417, 63 Se ADS 11871 Struve 2422 | 18 35.9 18 36.9 18 38.3 18 42.8 18 43.0 9, 18 44.8 18 45.5 18 45.5 18 50.0 18 50.3 18 50.8 18 51.2 18 54.5 18 54.5 18 55.3 18 55.3 18 56.3 18 57.1 18 58.6 19 00.0 19 01.1 19 03.1 | +17.0 +38 47 +08.8 +37.0 +59.6 18 44.3 +37 36 +05 30 -00 58 -05 42 +33 24 -7.9 +10 59 +59 22 +36.9 +33 58 -26.3 +43.9 +04 11 +32.9 +26.1 +14.4 +12 53 -37 03 -19 14 | 6.8 0 5.9 9.5 8 +39 40 4.4 6.2 5.8 4.5 6.8 6.9 4.5 6 2 3.9 4.1 5.4 8 8.6 7.1 6.6 6 | 1.6" Stellar * * 13" 4.7 44" 2" 13" Stellar 47" 14.3" 4" 35" * 45.2" 1" 0.7" * 17" 13" 7" | Her Lyr Oph Lyr Dra 2" Lyr Ser Aql Sct Lyr Sct Aql Dra Cyg Lyr Sgr Lyr Ser Lyr Ser Lyr Sgr Lyr Ser | double star challenge star variable star variable star double star Lyr quadruple star double star double star equal magnitude triple star variable star double star magnitude contrast double star double star double star star colored double star star star double star challenge double star challenge variable star colored double star double star double star challenge variable star colored double star double star challenge variable star colored double star double star double star equal magnitude triple star |
| ST652 O 358 ST653 Vega ST654 X ST655 HK ST656 2398 ST657 Epsilon ST658 Zeta ST659 2375 ST660 5 ST661 R ST662 Beta ST663 S ST664 2404 ST665 Omicron ST666 Delta2 ST667 O 525 ST668 Sigma ST669 13 ST670 Theta ST671 ADS11871 ST672 2422 ST673 UV ST674 2426 ST675 BrsO14 ST676 h5082 ST677 V ST678 15 | Alpha Lyr X OPH HK LYR Struve 2398 Double-Double 2379 S SCT 2420 Delta2 LYR Sigma SGR 13 LYR 2417, 63 Se ADS 11871 Struve 2422 | 18 35.9 18 36.9 18 38.3 18 42.8 18 43.0 3, 18 44.8 18 45.5 18 46.5 18 46.5 18 50.0 18 50.3 18 50.3 18 50.8 18 51.2 18 54.5 18 55.3 18 56.3 18 57.0 18 57.1 18 58.6 19 00.0 19 01.1 19 03.1 19 04.4 19 05.0 | +17.0 +38 47 +08.8 +37.0 +59.6 18 44.3 +37 36 +05 30 -00 58 -05 42 +33 24 -7.9 +10 59 +59 22 +36.9 +33 58 -26.3 +43.9 +04 11 +32.9 +26.1 +11.4 +12 53 -37 03 -19 14 -05 41 -04 02 | 6.8 0 5.9 9.5 8 +39 40 4.4 6.2 5.8 4.5 3.5 6.8 6.9 4.5 6 2 3.9 4.1 5.4 8 67.1 6.6 6 6 6 6 6 6 6 6 6 6 6 6 6 | 1.6" Stellar * * 13" 4.7 44" 2" 13" Stellar 47" 14.3" 4" 35" * 45." * 4 22" 1" 0.7" * 17" 13" 7" Stellar 38" | Her Lyr Oph Lyr Dra 2" Lyr Ser Aql Sct Lyr Sct Aql Dra Cyg Lyr Sgr Lyr Ser Lyr Ser Lyr Aql Aql Aql Aql | double star challenge star variable star variable star double star Lyr quadruple star double star double star equal magnitude triple star variable star double star magnitude contrast double star double star double star double star star colored double star star star double star challenge double star challenge variable star colored double star double star challenge variable star colored double star double star red variable star red variable star red variable star red variable star colored double star colored double star colored double star colored double star |
| ST652 O 358 ST653 Vega ST654 X ST655 HK ST656 2398 ST657 Epsilon ST658 Zeta ST659 2375 ST660 5 ST661 R ST662 Beta ST663 S ST664 2404 ST665 Omicron ST666 Delta2 ST667 O 525 ST668 Sigma ST669 13 ST670 Theta ST671 ADS11871 ST672 2422 ST673 UV ST674 2426 ST675 BrsO14 ST676 h5082 ST677 V ST678 15 ST679 Gamma | Alpha Lyr X OPH HK LYR Struve 2398 Double-Double 2379 S SCT 2420 Delta2 LYR Sigma SGR 13 LYR 2417, 63 Se ADS 11871 Struve 2422 | 18 35.9 18 36.9 18 38.3 18 42.8 18 43.0 3, 18 44.8 18 45.5 18 46.5 18 46.5 18 50.0 18 50.3 18 50.3 18 50.8 18 51.2 18 54.5 18 54.5 18 55.3 18 56.3 18 57.0 18 57.1 18 58.6 19 00.0 19 01.1 19 03.1 19 04.4 19 05.0 19 06.4 | +17.0 +38 47 +08.8 +37.0 +59.6 18 44.3 +37 36 +05 30 -00 58 -05 42 +33 24 -7.9 +10 59 +59 22 +36.9 +33 58 -26.3 +43.9 +04 11 +32.9 +26.1 +11.4 +12 53 -37 03 -19 14 -05 41 -04 02 -37 00 | 6.8 0 5.9 9.5 8 +39 4.4 6.2 5.8 4.5 6.9 4.5 6.2 3.9 4.1 5.4 8.6 7.1 6.6 6.6 6.6 5.4 5 | 1.6" Stellar * * 13" 4.7 44" 2" 13" Stellar 47" 14.3" 4" 35" * 4 22" 1" 0.7" * 17" 13" 7" Stellar 38" 3" | Her Lyr Oph Lyr Dra 2" Lyr Ser Lyr Sct Aql Dra Cyg Lyr Ser Lyr Ser Lyr Ser Lyr Ser Lyr Ser Lyr Ser Lyr Ser Aql Aql Aql Aql Aql Aql Aql Aql Aql Aql | double star challenge star variable star variable star double star Lyr quadruple star double star double star equal magnitude triple star double star magnitude contrast double star magnitude contrast double star double star double star double star double star star colored double star star star double star challenge double star challenge variable star colored double star colored double star double star equal magnitude triple star red variable star colored double star double star double star colored double star double star equal magnitude |
| ST652 O 358 ST653 Vega ST654 X ST655 HK ST656 2398 ST657 Epsilon ST658 Zeta ST659 2375 ST660 5 ST661 R ST662 Beta ST663 S ST664 2404 ST665 Omicron ST666 Delta2 ST667 O 525 ST668 Sigma ST669 13 ST670 Theta ST671 ADS11871 ST672 2422 ST673 UV ST674 2426 ST675 BrsO14 ST676 h5082 ST677 V ST678 15 ST679 Gamma ST680 R | Alpha Lyr X OPH HK LYR Struve 2398 Double-Double 2379 S SCT 2420 Delta2 LYR Sigma SGR 13 LYR 2417, 63 Se ADS 11871 Struve 2422 | 18 35.9 18 36.9 18 38.3 18 42.8 18 43.0 5, 18 44.8 18 45.5 18 46.5 18 46.5 18 50.0 18 50.3 18 50.3 18 50.8 18 51.2 18 54.5 18 54.5 18 55.3 18 55.3 18 56.3 18 57.1 18 58.6 19 00.0 19 01.1 19 03.1 19 04.4 19 05.0 19 06.4 19 06.4 | +17.0 +38 47 +08.8 +37.0 +59.6 18 44.3 +37 36 +05 30 -00 58 -05 42 +33 24 -7.9 +10 59 +59 22 +36.9 +33 58 -26.3 +43.9 +04 11 +32.9 +26.1 +14.4 +12 53 -37 03 -19 14 -05 41 -04 02 -37 00 +08 14 | 6.8 0 5.9 9.5 8 +39 4.4 6.2 5.8 4.5 6.8 6.9 4.5 6.2 3.9 4.1 5.4 8.6 7.1 6.6 6.6 6.5 5.5 5.5 | 1.6" Stellar * * 13" 4.7 44" 2" 13" Stellar 47" 14.3" 4" 35" * 45" * 4 22" 1" 0.7" * 17" 13" 7" Stellar 38" 3" Stellar | Her Lyr Oph Lyr Dra 2" Lyr Ser Lyr Sct Aql Dra Cyg Lyr Ser Lyr Ser Lyr Ser Lyr Ser Lyr Aql Aql Aql Aql Aql | double star challenge star variable star variable star double star Lyr quadruple star double star double star equal magnitude triple star double star magnitude contrast double star magnitude contrast double star double star double star double star double star double star star colored double star star star double star challenge double star challenge variable star colored double star double star colored double star colored double star double star equal magnitude triple star red variable star colored double star double star equal magnitude red variable star |
| ST652 O 358 ST653 Vega ST654 X ST655 HK ST656 2398 ST657 Epsilon ST658 Zeta ST659 2375 ST660 5 ST661 R ST662 Beta ST663 S ST664 2404 ST665 Omicron ST666 Delta2 ST667 O 525 ST668 Sigma ST669 13 ST670 Theta ST671 ADS11871 ST672 2422 ST673 UV ST674 2426 ST675 BrsO14 ST676 h5082 ST677 V ST678 15 ST679 Gamma ST680 R ST681 2449 | Alpha Lyr X OPH HK LYR Struve 2398 Double-Double 2379 S SCT 2420 Delta2 LYR Sigma SGR 13 LYR 2417, 63 Se ADS 11871 Struve 2422 | 18 35.9 18 36.9 18 38.3 18 42.8 18 43.0 6, 18 44.8 18 45.5 18 46.5 18 46.5 18 50.0 18 50.3 18 50.8 18 51.2 18 54.5 18 54.5 18 55.3 18 55.3 18 55.3 18 56.3 18 57.0 18 57.1 18 58.6 19 00.0 19 01.1 19 03.1 19 04.4 19 06.4 19 06.4 19 06.4 | +17.0 +38 47 +08.8 +37.0 +59.6 18 44.3 +37 36 +05 30 -00 58 -05 42 +33 24 -7.9 +10 59 +59 22 +36.9 +33 58 -26.3 +43.9 +04 11 +32.9 +26.1 +14.4 +12 53 -37 03 -19 14 -05 41 -04 02 -37 00 +08 14 +07 09 | 6.8 0 5.9 9.5 8 +39 4.4 6.2 5.8 4.5 6.9 4.5 6.9 4.5 6.9 4.1 5.4 8.6 7.1 6.6 6.6 6.5 7.2 | 1.6" Stellar * * 13" 4.7 44" 2" 13" Stellar 47" 14.3" 4" 35" * 45" * 4 22" 1" 0.7" * 17" 13" 7" Stellar 38" 3" Stellar | Her Lyr Oph Lyr Dra 2" Lyr Ser Lyr Ser Lyr Ser Lyr Ser Lyr Ser Lyr Ser Lyr Aql Cra Ser Lyr Ser Lyr Aql Aql Aql Aql Aql Aql Aql Aql Aql Aql | double star challenge star variable star variable star double star Lyr quadruple star double star double star equal magnitude triple star double star magnitude contrast double star magnitude contrast double star double star double star double star star colored double star star star double star challenge double star challenge variable star colored double star colored double star colored double star double star colored double star double star colored double star double star equal magnitude red variable star double star equal magnitude red variable star |
| ST652 O 358 ST653 Vega ST654 X ST655 HK ST656 2398 ST657 Epsilon ST658 Zeta ST659 2375 ST660 5 ST661 R ST662 Beta ST663 S ST664 2404 ST665 Omicron ST666 Delta2 ST667 O 525 ST668 Sigma ST669 13 ST670 Theta ST671 ADS11871 ST672 2422 ST673 UV ST674 2426 ST675 BrsO14 ST676 h5082 ST677 V ST678 15 ST679 Gamma ST680 R ST681 2449 ST682 2474 | Alpha Lyr X OPH HK LYR Struve 2398 Double-Double 2379 S SCT 2420 Delta2 LYR Sigma SGR 13 LYR 2417, 63 Se ADS 11871 Struve 2422 | 18 35.9 18 36.9 18 38.3 18 42.8 18 43.0 6, 18 44.8 18 45.5 18 46.5 18 46.5 18 50.0 18 50.3 18 50.8 18 55.3 18 55.3 18 55.3 18 55.3 18 55.3 18 56.3 18 57.0 18 57.1 18 58.6 19 00.0 19 01.1 19 03.1 19 04.4 19 05.0 19 06.4 19 06.4 19 09.1 | +17.0 +38 47 +08.8 +37.0 +59.6 18 44.3 +37 36 +05 30 -00 58 -05 42 +33 24 -7.9 +10 59 +59 22 +36.9 +33 58 -26.3 +43.9 +04 11 +32.9 +26.1 +14.4 +12 53 -37 03 -19 14 -04 02 -37 00 +08 14 +07 09 +34 35 | 6.8 0 5.9 9.5 8 +39 4.4 6.2 5.8 4.5 6.9 4.5 6.9 4.5 6.6 6.6 6.6 6.6 6.6 6.5 7.1 6.6 6.5 6.5 6.5 6.6 6.6 6.6 6.7 6.6 6.6 6.6 6.6 | 1.6" Stellar * * 13" 4.7 44" 2" 13" Stellar 47" 14.3" 4" 35" * 45." * 41 22" 1" 17" 13" 7" Stellar 38" 3" Stellar 8" 16" | Her Lyr Oph Lyr Dra 2" Lyr Ser Lyr Set Lyr Ser Lyr Ser Lyr Ser Lyr Ser Lyr Aql Cra Sgr Aql Aql Aql Aql Aql Aql Aql Aql Aql Aql | double star challenge star variable star variable star double star Lyr quadruple star double star double star equal magnitude triple star variable star double star star colored double star star star double star challenge double star challenge variable star colored double star colored double star colored double star colored double star colored double star double star double star equal magnitude red variable star double star |
| ST652 O 358 ST653 Vega ST654 X ST655 HK ST656 2398 ST657 Epsilon ST658 Zeta ST659 2375 ST660 5 ST661 R ST662 Beta ST663 S ST664 2404 ST665 Omicron ST666 Delta2 ST667 O 525 ST668 Sigma ST669 13 ST670 Theta ST671 ADS11871 ST672 2422 ST673 UV ST674 2426 ST675 BrsO14 ST676 h5082 ST677 V ST678 15 ST679 Gamma ST680 R ST681 2449 ST682 2474 ST683 2486 | Alpha Lyr X OPH HK LYR Struve 2398 Double-Double 2379 S SCT 2420 Delta2 LYR Sigma SGR 13 LYR 2417, 63 Se ADS 11871 Struve 2422 UV AQL | 18 35.9 18 36.9 18 38.3 18 42.8 18 43.0 5, 18 44.8 18 45.5 18 46.5 18 46.5 18 50.0 18 50.3 18 50.8 18 50.3 18 54.5 18 54.5 18 54.5 18 54.5 18 55.3 18 55.3 18 55.3 18 57.0 18 57.1 18 58.6 19 00.0 19 01.1 19 03.1 19 04.4 19 06.4 19 06.4 19 06.4 19 09.1 19 12.1 | +17.0 +38 47 +08.8 +37.0 +59.6 18 44.3 +37 36 +05 30 -00 58 -05 42 +33 24 -7.9 +10 59 +59 22 +36.9 +33 58 -26.3 +43.9 +04 11 +32.9 +26.1 +14.4 +12 53 -37 03 -19 14 -04 02 -37 00 +08 14 +07 09 +34 35 +49 51 | 6.8 0 5.9 9.5 8 +39 4.4 6.2 5.8 4.5 6.9 4.5 6.9 4.5 6.6 7.1 6.6 6.6 6.6 5.5 7.2 6.5 6.6 | 1.6" Stellar * * 13" 4.7 44" 2" 13" Stellar 47" 14.3" 4" 45" * 45." * 41 22" 1" 0.7" * 17" 13" 7" Stellar 38" 3" Stellar 8" 16" 8" | Her Lyr Oph Lyr Dra 2" Lyr Ser Aql Sct Lyr Sqr Lyr Ser Lyr Ser Lyr Aql Aql Aql Aql Aql Aql Aql Aql Lyr Cyg | double star challenge star variable star variable star double star Lyr quadruple star double star double star equal magnitude triple star variable star double star star colored double star star star double star challenge double star challenge variable star colored double star colored double star colored double star colored double star equal magnitude |
| ST652 O 358 ST653 Vega ST654 X ST655 HK ST656 2398 ST657 Epsilon ST658 Zeta ST659 2375 ST660 5 ST661 R ST662 Beta ST663 S ST664 2404 ST665 Omicron ST666 Delta2 ST667 O 525 ST668 Sigma ST669 13 ST670 Theta ST671 ADS11871 ST672 2422 ST673 UV ST674 2426 ST675 BrsO14 ST676 h5082 ST677 V ST678 15 ST679 Gamma ST680 R ST681 2449 ST682 2474 ST683 2486 ST684 O 178 | Alpha Lyr X OPH HK LYR Struve 2398 Double-Double 2379 S SCT 2420 Delta2 LYR Sigma SGR 13 LYR 2417, 63 Se ADS 11871 Struve 2422 UV AQL | 18 35.9 18 36.9 18 38.3 18 42.8 18 43.0 5, 18 44.8 18 45.5 18 46.5 18 46.5 18 50.0 18 50.3 18 50.8 18 50.3 18 54.5 18 54.9 18 55.3 18 55.3 18 55.3 18 57.0 18 57.1 18 58.6 19 00.0 19 01.1 19 03.1 19 06.4 19 06.4 19 06.4 19 06.4 19 09.1 19 12.1 19 15.3 | +17.0 +38 47 +08.8 +37.0 +59.6 18 44.3 +37 36 +05 30 -00 58 -05 42 +33 24 -7.9 +10 59 +33 58 -26.3 +43.9 +04 11 +32.9 +26.1 +14.4 +12 53 -37 03 -19 14 -04 02 -37 00 +08 14 +07 09 +34 35 +49 51 +15.1 | 6.8 0 5.9 9.5 8 +39 4.4 6.2 5.8 4.5 6.9 4.5 6.9 4.5 6.9 4.1 5.4 8.6 7.1 6.6 6.6 6.7 6.6 6.6 6.7 6.6 6.7 6.6 6.7 6.6 6.7 6.7 | 1.6" Stellar * * 13" 4.7 44" 2" 13" Stellar 47" 14.3" 4" 4" 35" * 45" * 1" 0.7" * 17" 13" 7" Stellar 38" 3" Stellar 8" 16" 8" 90" | Her Lyr Oph Lyr Dra 2" Lyr Ser Aql Sct Lyr Scql Dra Cyg Lyr Ser Lyr Ser Lyr Aql Cra Aql Aql Aql Aql Aql Aql Aql Aql Aql Aql | double star challenge star variable star variable star double star Lyr quadruple star double star double star equal magnitude triple star double star magnitude contrast double star magnitude contrast double star double star double star double star star colored double star star star double star challenge double star challenge variable star colored double star colored double star double star colored double star equal magnitude double star |
| ST652 O 358 ST653 Vega ST654 X ST655 HK ST656 2398 ST657 Epsilon ST658 Zeta ST659 2375 ST660 5 ST661 R ST662 Beta ST663 S ST664 2404 ST665 Omicron ST666 Delta2 ST667 O 525 ST668 Sigma ST669 13 ST670 Theta ST671 ADS11871 ST672 2422 ST673 UV ST674 2426 ST675 BrsO14 ST676 h5082 ST677 V ST678 15 ST679 Gamma ST680 R ST681 2449 ST682 2474 ST683 2486 ST684 O 178 ST685 Tau | Alpha Lyr X OPH HK LYR Struve 2398 Double-Double 2379 S SCT 2420 Delta2 LYR Sigma SGR 13 LYR 2417, 63 Se ADS 11871 Struve 2422 UV AQL | 18 35.9 18 36.9 18 38.3 18 42.8 18 43.0 31, 18 44.8 18 45.5 18 45.5 18 46.5 18 50.0 18 50.3 18 50.8 18 51.2 18 54.5 18 54.5 18 55.3 18 55.3 18 55.3 18 55.3 18 57.0 18 57.1 18 58.6 19 00.0 19 01.1 19 03.1 19 04.4 19 06.4 19 06.4 19 06.4 19 06.4 19 06.4 19 06.4 19 06.4 19 06.4 19 09.1 19 15.3 19 15.5 | +17.0 +38 47 +08.8 +37.0 +59.6 18 44.3 +37 36 +05 30 -00 58 -05 42 +33 24 -7.9 +10 59 +59 22 +36.9 +33 58 -26.3 +43.9 +04 11 +32.9 +26.1 +14.4 +12 53 -37 03 -19 14 -05 41 -04 02 -37 00 +08 14 +07 09 +34 35 +49 51 +15.1 +73.4 | 6.8 0 5.9 9.5 8 +39 4.4 6.2 5.8 4.5 6.9 4.5 6.9 4.5 6.9 4.1 6.6 6.6 6.7 6.6 6.6 6.7 6.7 6.7 | 1.6" Stellar * * 13" 4.7 44" 2" 13" Stellar 47" 44.3" 4" 35" * 45" * 41.3" 4" 35" * 5tellar 8" 11" 0.7" 5tellar 8" 16" 8" 90" * | Her Lyr Oph Lyr Dra 2" Lyr Ser Aql Sct Lyr Scql Dra Cyg Lyr Ser Lyr Lyr Aql Aql Aql Aql Aql Aql Aql Cyg Aql Dra | double star challenge star variable star variable star double star Lyr quadruple star double star double star equal magnitude triple star variable star double star magnitude contrast double star double star double star double star star colored double star star star double star challenge double star challenge variable star colored double star colored double star double star colored double star colored double star colored double star double star colored star equal magnitude triple star red variable star colored double star star star |
| ST652 O 358 ST653 Vega ST654 X ST655 HK ST656 2398 ST657 Epsilon ST658 Zeta ST659 2375 ST660 5 ST661 R ST662 Beta ST663 S ST664 2404 ST665 Omicron ST666 Delta2 ST667 O 525 ST668 Sigma ST669 13 ST670 Theta ST671 ADS11871 ST672 2422 ST673 UV ST674 2426 ST675 BrsO14 ST676 h5082 ST677 V ST678 15 ST679 Gamma ST680 R ST681 2449 ST682 2474 ST683 2486 ST684 O 178 ST685 Tau ST685 Tau ST685 | Alpha Lyr X OPH HK LYR Struve 2398 Double-Double 2379 S SCT 2420 Delta2 LYR Sigma SGR 13 LYR 2417, 63 Se ADS 11871 Struve 2422 UV AQL | 18 35.9 18 36.9 18 38.3 18 42.8 18 43.0 31, 18 44.8 18 45.5 18 45.5 18 50.0 18 50.3 18 50.8 18 51.2 18 54.5 18 54.5 18 55.3 18 55.3 18 55.3 18 55.3 18 56.3 18 57.0 19 00.0 19 01.1 19 03.1 19 04.4 19 05.0 19 06.4 19 06.4 19 09.1 19 15.3 19 15.5 19 16.5 | +17.0 +38 47 +08.8 +37.0 +59.6 18 44.3 +37 36 +05 30 -00 58 -05 42 +33 24 -7.9 +10 59 +59 22 +36.9 +33 58 -26.3 +43.9 +04 11 +32.9 +26.1 +14.4 +12 53 -37 03 -19 14 -04 02 -37 00 +08 14 +07 09 +34 35 +49 51 +15.1 +73.4 -33.5 | 6.8 0 5.9 9.5 8 +39 4.4 6.2 5.8 4.5 6.9 4.5 6.9 4.5 6.9 4.1 5.4 8.6 7.1 6.6 6.6 6.7 6.6 6.6 6.7 6.6 6.7 6.6 6.7 6.6 6.7 6.7 | 1.6" Stellar * * 13" 4.7 44" 2" 13" Stellar 47" 14.3" 4" 4" 35" * 45" * 1" 0.7" * 17" 13" 7" Stellar 38" 3" Stellar 8" 16" 8" 90" | Her Lyr Oph Lyr Dra 2" Lyr Ser Aqt Styr Styr Styr Styr Syr Lyr Styr Aql Aql Aql Aql Aql Aql Cyg Dra Syr Syr Syr Syr Syr Syr Syr Syr Syr Syr | double star challenge star variable star variable star double star Lyr quadruple star double star double star equal magnitude triple star double star magnitude contrast double star magnitude contrast double star double star double star double star star colored double star star star double star challenge double star challenge variable star colored double star colored double star double star colored double star equal magnitude double star |
| ST652 O 358 ST653 Vega ST654 X ST655 HK ST656 2398 ST657 Epsilon ST658 Zeta ST659 2375 ST660 5 ST661 R ST662 Beta ST663 S ST664 2404 ST665 Omicron ST666 Delta2 ST667 O 525 ST668 Sigma ST669 13 ST670 Theta ST671 ADS11871 ST672 2422 ST673 UV ST674 2426 ST675 BrsO14 ST676 h5082 ST677 V ST678 15 ST679 Gamma ST680 R ST681 2449 ST682 2474 ST683 2486 ST684 O 178 ST685 Tau | Alpha Lyr X OPH HK LYR Struve 2398 Double-Double 2379 S SCT 2420 Delta2 LYR Sigma SGR 13 LYR 2417, 63 Se ADS 11871 Struve 2422 UV AQL | 18 35.9 18 36.9 18 38.3 18 42.8 18 43.0 31, 18 44.8 18 45.5 18 45.5 18 46.5 18 50.0 18 50.3 18 50.8 18 51.2 18 54.5 18 54.5 18 55.3 18 55.3 18 55.3 18 55.3 18 57.0 18 57.1 18 58.6 19 00.0 19 01.1 19 03.1 19 04.4 19 06.4 19 06.4 19 06.4 19 06.4 19 06.4 19 06.4 19 06.4 19 06.4 19 09.1 19 15.3 19 15.5 | +17.0 +38 47 +08.8 +37.0 +59.6 18 44.3 +37 36 +05 30 -00 58 -05 42 +33 24 -7.9 +10 59 +59 22 +36.9 +33 58 -26.3 +43.9 +04 11 +32.9 +26.1 +14.4 +12 53 -37 03 -19 14 -05 41 -04 02 -37 00 +08 14 +07 09 +34 35 +49 51 +15.1 +73.4 | 6.8 0 5.9 9.5 8 +39 4.4 6.2 5.8 4.5 6.9 4.5 6.9 4.5 6.9 4.1 6.6 6.6 6.7 6.6 6.6 6.7 6.7 6.7 | 1.6" Stellar * * 13" 4.7 44" 2" 13" Stellar 47" 44.3" 4" 35" * 45" * 41.3" 4" 35" * 5tellar 8" 11" 0.7" 5tellar 8" 16" 8" 90" * | Her Lyr Oph Lyr Dra 2" Lyr Ser Aql Sct Lyr Scql Dra Cyg Lyr Ser Lyr Lyr Aql Aql Aql Aql Aql Aql Aql Cyg Aql Dra | double star challenge star variable star variable star double star Lyr quadruple star double star double star equal magnitude triple star variable star double star magnitude contrast double star double star double star double star star colored double star star star double star challenge double star challenge variable star colored double star colored double star double star colored double star colored double star colored double star double star colored star equal magnitude triple star red variable star colored double star star star |
| ST652 O 358 ST653 Vega ST654 X ST655 HK ST656 2398 ST657 Epsilon ST658 Zeta ST659 2375 ST660 5 ST661 R ST662 Beta ST663 S ST664 2404 ST665 Omicron ST666 Delta2 ST667 O 525 ST668 Sigma ST669 13 ST670 Theta ST671 ADS11871 ST672 2422 ST673 UV ST674 2426 ST675 BrsO14 ST676 h5082 ST677 V ST678 15 ST679 Gamma ST680 R ST681 2449 ST682 2474 ST683 2486 ST684 O 178 ST685 Tau ST685 Tau ST685 | Alpha Lyr X OPH HK LYR Struve 2398 Double-Double 2379 S SCT 2420 Delta2 LYR Sigma SGR 13 LYR 2417, 63 Se ADS 11871 Struve 2422 UV AQL | 18 35.9 18 36.9 18 38.3 18 42.8 18 43.0 31, 18 44.8 18 45.5 18 45.5 18 50.0 18 50.3 18 50.8 18 51.2 18 54.5 18 54.5 18 55.3 18 55.3 18 55.3 18 55.3 18 56.3 18 57.0 19 00.0 19 01.1 19 03.1 19 04.4 19 05.0 19 06.4 19 06.4 19 09.1 19 15.3 19 15.5 19 16.5 | +17.0 +38 47 +08.8 +37.0 +59.6 18 44.3 +37 36 +05 30 -00 58 -05 42 +33 24 -7.9 +10 59 +59 22 +36.9 +33 58 -26.3 +43.9 +04 11 +32.9 +26.1 +14.4 +12 53 -37 03 -19 14 -04 02 -37 00 +08 14 +07 09 +34 35 +49 51 +15.1 +73.4 -33.5 | 6.8 0 5.9 9.5 8 +39 40 4.4 6.2 5.8 6.9 4.5 6.2 3.9 4.1 5.8 8.6 7.1 6.6 6.6 6.6 5.7 6.5 6.6 6.7 6.6 6.7 6.6 6.7 6.6 6.7 6.7 | 1.6" Stellar * * 13" 4.7 44" 2" 13" Stellar 47" 14.3" 4" 35" * 45" * 41. 22" 1" 0.7" * 17" 13" 7" Stellar 38" 3" Stellar 8" 90" * * | Her Lyr Oph Lyr Dra 2" Lyr Ser Aqt Styr Styr Styr Styr Syr Lyr Styr Aql Aql Aql Aql Aql Aql Cyg Dra Syr Syr Syr Syr Syr Syr Syr Syr Syr Syr | double star challenge star variable star variable star double star Lyr quadruple star double star double star equal magnitude triple star variable star double star star colored double star star star double star challenge double star challenge variable star colored double star double star challenge variable star colored double star double star equal magnitude triple star red variable star colored double star star variable star star variable star |
| ST652 O 358 ST653 Vega ST654 X ST655 HK ST656 2398 ST657 Epsilon ST658 Zeta ST659 2375 ST660 5 ST661 R ST662 Beta ST663 S ST664 2404 ST665 Omicron ST666 Delta2 ST667 O 525 ST668 Sigma ST669 13 ST670 Theta ST671 ADS11871 ST672 2422 ST673 UV ST674 2426 ST675 BrsO14 ST676 h5082 ST677 V ST678 15 ST679 Gamma ST680 R ST681 2449 ST682 2474 ST683 2486 ST684 O 178 ST685 Tau ST686 RY ST687 U | Alpha Lyr X OPH HK LYR Struve 2398 Double-Double 2379 S SCT 2420 Delta2 LYR Sigma SGR 13 LYR 2417, 63 Se ADS 11871 Struve 2422 UV AQL | 18 35.9 18 36.9 18 38.3 18 42.8 18 43.0 31, 18 44.8 18 45.5 18 45.5 18 50.0 18 50.3 18 50.8 18 51.2 18 54.5 18 54.5 18 55.3 18 55.3 18 55.3 18 55.3 18 57.1 18 58.6 19 00.0 19 01.1 19 03.1 19 04.4 19 05.0 19 06.4 19 06.4 19 06.4 19 06.4 19 19.1 19 15.3 19 15.5 19 16.5 19 18.8 | +17.0 +38 47 +08.8 +37.0 +59.6 18 44.3 +37 36 +05 30 -00 58 -05 42 +33 24 -7.9 +10 59 +59 22 +36.9 +33 58 -26.3 +43.9 +04 11 +32.9 +26.1 +14.4 +12 53 -37 03 -19 14 -04 02 -37 00 +08 14 +07 09 +34 35 +49 51 +15.1 +73.4 -33.5 +19 37 | 6.8 0 5.9 9.5 8 4.4 6.2 5.8 6.9 4.5 6.2 3.9 4.1 5.8 6.6 6.6 6.6 6.6 6.6 6.6 6.6 6 | 1.6" Stellar * * 13" 4.7 44" 2" 13" Stellar 47" 14.3" 4" 35" * 45" * 41. 22" 1" 0.7" * 17" 13" 7" Stellar 38" 3" Stellar 8" 90" * * | Her Lyr Oph Lyr Dra 2" Lyr Ser Aqt Lyr Sgr Lyr Ser Lyr Ser Lyr Ser Lyr Aql Aql Aql Aql Aql Aql Dra Sgr Sgr | double star challenge star variable star variable star double star Lyr quadruple star double star double star equal magnitude triple star variable star double star magnitude contrast double star double star double star double star star colored double star star star double star challenge double star challenge variable star colored double star double star challenge variable star colored double star double star equal magnitude triple star red variable star double star star variable star variable star variable star variable star variable star variable star |

| ST690 | | | | | | | | |
|---|--|---|--|--|---|---|---|---|
| | RR | | 19 25.5 | +42 47 | 7.1 | Stellar | Lyr | variable star |
| ST691 | 2525 | Struve 2525 | 19 26.6 | +27.3 | 8.1 | 2" | Vul | double star |
| ST692 | h5114 | h5114 | 19 27.8 | -54.3 | 5.7 | 70" | Tel | double star |
| ST693 | | Alpha VUL | 19 28.7 | +24.7 | 4.4 | * | Vul | star |
| | Albireo | Beta CYG | 19 30.7 | +28.0 | 3 | 35" | Cyg | colored double star |
| ST695 | | Mu AQL | 19 34.1 | +07.4 | 4.5 | * | Aql | star |
| ST696 | | AQ SGR | 19 34.3 | -16.4 | 9.1 | * | Sgr | variable star |
| ST697 | | R CYG | 19 36.8 | +50.2 | 6.1 | * | Cyg | variable star |
| ST698 | | KOIO | 19 39.4 | +16 34 | 6.4 | 28" | Sge | colored double star |
| | | E4 CCD | | | | | | |
| ST699 | | 54 SGR | 19 40.7 | -16.3 | 5.4 | 38" * | Sgr | double star |
| ST700 | | TT CYG | 19 40.9 | +32.6 | 7.8 | | Cyg | variable star |
| ST701 | _ | | 19 41.8 | +50 32 | 6 | 39" | Cyg | double star equal magnitude |
| ST702 | | 2579, 18 Cyg | | 19 45.0 | +45 08 | | 2" | Cyg double star magnitude contrast |
| ST703 | O 191 | H V 137 | 19 45.9 | +35 01 | 6 | 39" | Cyg | colored double star |
| ST704 | Gamma | Gamma AQL | 19 46.3 | +10.6 | 2.7 | * | AqI | star |
| ST705 | 17 | 2580 | 19 46.4 | +33 44 | 5 | 26" | Cyg | double star magnitude contrast |
| ST706 | Delta | Delta SGE | 19 47.4 | +18.5 | 3.8 | * | Sge | star |
| ST707 | Epsilon | | 19 48.2 | +70 16 | 3.8 | 3" | Dra | double star magnitude contrast |
| ST708 | • | Pi AQL | 19 48.7 | +11.8 | 6.1 | 1.4" | Aql | double star challenge |
| ST709 | | - | 19 49.0 | +19 09 | 5 | 9" | Sge | double star |
| ST710 | | | 19 50.6 | +32 55 | 3.3 | Stellar | Cyg | variable star |
| ST711 | | Alpha Aql | 19 50.8 | +08 52 | 0.8 | * | Aql | star |
| ST712 | | Eta AQL | 19 50.5 | +00.02 | 3.4 | * | Aql | variable star |
| | | Ela AQL | | | | | • | |
| ST713 | - | D-1- AOI | 19 54.6 | -08 14 | 5.7 | 36" | Aql | double star |
| ST714 | | Beta AQL | 19 55.3 | +06.4 | 3.7 | 13" | Aql | double star |
| ST715 | | | 19 55.6 | +52 26 | 4.9 | 3" | Cyg | double star magnitude contrast |
| ST716 | | RR SGR | 19 55.9 | -29.2 | 5.4 | * | Sgr | variable star |
| ST717 | RU | RU SGR | 19 58.7 | -41.9 | 6 | * | Sgr | variable star |
| ST718 | Gamma | Gamma SGE | 19 58.8 | +19.5 | 3.5 | * | Sge | star |
| ST719 | BF | BF SGE | 20 02.4 | +21.1 | 8.5 | * | Sge | variable star |
| ST720 | h1470 | | 20 03.6 | +38 19 | 7.6 | 29" | Cyg | colored double star |
| ST721 | X | X SGE | 20 05.1 | +20.7 | 7 | * | Sge | variable star |
| ST722 | WZ | WZ SGE | 20 07.6 | +17.7 | 7 | * | Sge | variable star |
| ST723 | | 2675 | 20 08.9 | +77 43 | 4.4 | 7" | Сер | double star magnitude contrast |
| ST724 | | 2637 | 20 09.9 | +20 55 | 6.4 | 12" | Sge | triple star |
| ST725 | | RY CYG | 20 10.4 | +36.0 | 8.5 | * | Cyg | variable star |
| ST726 | | FG SGE | 20 10.4 | +20.3 | 9.5 | * | | |
| | | ru sue | | | | | Sge | planetary nebula irregular |
| ST727 | 2644 | DO 01/0 | 20 12.6 | +00 52 | 6.8 | 3" * | Aql | double star equal magnitude |
| ST728 | RS | RS CYG | 20 13.4 | +38.7 | 6.5 | | Cyg | variable star |
| | | | | | | | | |
| ST729 | 2658 | | 20 13.6 | +53 07 | 7.1 | 5" | Cyg | double star |
| ST730 | Omicron1 | Omicron1 CYC | 3 | 20 13.6 | +46.7 | 3.8 | * | Cyg star |
| ST730 ST731 | Omicron1 RT | RT CAP | € 20 17.1 | 20 13.6 -21.3 | +46.7 8.9 | 3.8 | * Cap | Cyg star variable star |
| ST730 ST731 ST732 | Omicron1 RT Alpha | RT CAP Alpha CAP | 3 20 17.1 20 17.6 | 20 13.6 -21.3 -12.5 | +46.7 8.9 4.2 | 3.8 * 44" | * Cap Cap | Cyg star variable star star |
| ST730 ST731 ST732 ST733 | Omicron1 RT Alpha RT | RT CAP | € 20 17.1 | 20 13.6 -21.3 | +46.7 8.9 | 3.8 | * Cap | Cyg star variable star |
| ST730 ST731 ST732 | Omicron1 RT Alpha RT | RT CAP Alpha CAP | 3 20 17.1 20 17.6 | 20 13.6 -21.3 -12.5 | +46.7 8.9 4.2 | 3.8 * 44" | * Cap Cap | Cyg star variable star star |
| ST730 ST731 ST732 ST733 | Omicron1 RT Alpha RT P | RT CAP Alpha CAP | 3 20 17.1 20 17.6 20 17.7 | 20 13.6 -21.3 -12.5 -39.1 | +46.7 8.9 4.2 6 | 3.8 * 44" * | * Cap Cap Sgr | Cyg star variable star star variable star |
| ST730 ST731 ST732 ST733 ST734 | Omicron1 RT Alpha RT P | RT CAP Alpha CAP | 20 17.1 20 17.6 20 17.7 20 17.8 20 18.0 | 20 13.6 -21.3 -12.5 -39.1 +38 02 | +46.7 8.9 4.2 6 3 | 3.8 * 44" * Stellar | Cap Cap Sgr Cyg Cap | Cyg star variable star star variable star variable star |
| ST730 ST731 ST732 ST733 ST734 ST735 ST736 | Omicron1 RT Alpha RT P Alpha 2671 | RT CAP Alpha CAP RT SGR | 20 17.1 20 17.6 20 17.7 20 17.7 20 17.8 20 18.0 20 18.4 | 20 13.6 -21.3 -12.5 -39.1 +38 02 -12 32 +55 23 | +46.7 8.9 4.2 6 3 3.8 6 | 3.8 * 44" * Stellar 7" | Cap Cap Sgr Cyg Cap Cap Cyg | Cyg star variable star star variable star variable star quadruple star double star |
| ST730 ST731 ST732 ST733 ST734 ST735 ST736 ST737 | Omicron1 RT Alpha RT P Alpha 2671 U | RT CAP Alpha CAP RT SGR U CYG | 20 17.1 20 17.6 20 17.7 20 17.7 20 17.8 20 18.0 20 18.4 20 19.6 | 20 13.6 -21.3 -12.5 -39.1 +38 02 -12 32 +55 23 +47.9 | +46.7 8.9 4.2 6 3 3.8 6 5.9 | 3.8 * 44" * Stellar 7" 4" | Cap Cap Sgr Cyg Cap Cyg Cyg Cyg | Cyg star variable star star variable star variable star quadruple star double star variable star |
| ST730 ST731 ST732 ST733 ST734 ST735 ST736 ST737 ST738 | Omicron1 RT Alpha RT P Alpha 2671 U Beta | RT CAP Alpha CAP RT SGR U CYG Beta CAP | 20 17.1 20 17.6 20 17.7 20 17.7 20 17.8 20 18.0 20 18.4 20 19.6 20 21.0 | 20 13.6 -21.3 -12.5 -39.1 +38 02 -12 32 +55 23 +47.9 -14.8 | +46.7 8.9 4.2 6 3 3.8 6 5.9 3.4 | 3.8 * 44" * Stellar 7" 4" | * Cap Cap Sgr Cyg Cap Cyg Cap Cyg Cyg Cyg Cap | Cyg star variable star star variable star variable star quadruple star double star variable star double star |
| ST730 ST731 ST732 ST733 ST734 ST735 ST736 ST737 ST738 ST739 | Omicron1 RT Alpha RT P Alpha 2671 U Beta 39 | RT CAP Alpha CAP RT SGR U CYG Beta CAP 39 CYG | 20 17.1 20 17.6 20 17.7 20 17.8 20 18.0 20 18.4 20 19.6 20 21.0 20 23.9 | 20 13.6 -21.3 -12.5 -39.1 +38 02 -12 32 +55 23 +47.9 -14.8 +32.2 | +46.7 8.9 4.2 6 3 3.8 6 5.9 3.4 4.4 | 3.8 * 44" * Stellar 7" 4" * 3' | * Cap Cap Sgr Cyg Cap Cyg | Cyg star variable star star variable star variable star quadruple star quadruple star double star variable star double star star |
| ST730 ST731 ST732 ST733 ST734 ST735 ST736 ST737 ST738 ST739 ST740 | Omicron1 RT Alpha RT P Alpha 2671 U Beta 39 Peacock | RT CAP Alpha CAP RT SGR U CYG Beta CAP | 20 17.1 20 17.6 20 17.7 20 17.8 20 18.0 20 18.4 20 19.6 20 21.0 20 23.9 20 25.6 | 20 13.6 -21.3 -12.5 -39.1 +38 02 -12 32 +55 23 +47.9 -14.8 +32.2 -56.7 | +46.7 8.9 4.2 6 3 3.8 6 5.9 3.4 4.4 | 3.8 * 44" * Stellar 7" 4" * 3' * | * Cap Cap Sgr Cyg Cap Cyg Cyg Cap Cyg Cap Cyg Pav | Cyg star variable star star variable star variable star quadruple star double star variable star double star star star |
| ST730 ST731 ST732 ST733 ST734 ST735 ST736 ST737 ST738 ST739 ST740 ST741 | Omicron1 RT Alpha RT P Alpha 2671 U Beta 39 Peacock pi | RT CAP Alpha CAP RT SGR U CYG Beta CAP 39 CYG Alpha PAV | 20 17.1 20 17.6 20 17.7 20 17.8 20 18.0 20 18.4 20 19.6 20 21.0 20 23.9 20 25.6 20 27.3 | 20 13.6 -21.3 -12.5 -39.1 +38 02 -12 32 +55 23 +47.9 -14.8 +32.2 -56.7 -18 13 | +46.7 8.9 4.2 6 3 3.8 6 5.9 3.4 4.4 1.9 5.3 | 3.8 * 44" * Stellar 7" 4" * 3' * 3" | * Cap Cap Sgr Cyg Cap Cyg Cyg Cyg Cyg Cyg Cap Cyg Cap Cyg Cap Cyg | Cyg star variable star star variable star variable star quadruple star double star variable star double star star star double star magnitude contrast |
| ST730 ST731 ST732 ST733 ST734 ST735 ST736 ST737 ST738 ST739 ST740 ST741 ST742 | Omicron1 RT Alpha RT P Alpha 2671 U Beta 39 Peacock pi Omicron | RT CAP Alpha CAP RT SGR U CYG Beta CAP 39 CYG Alpha PAV SHJ 324 | 20 17.1 20 17.6 20 17.7 20 17.8 20 18.0 20 18.4 20 19.6 20 21.0 20 23.9 20 25.6 20 27.3 20 29.9 | 20 13.6 -21.3 -12.5 -39.1 +38 02 -12 32 +55 23 +47.9 -14.8 +32.2 -56.7 -18 13 -18 35 | +46.7 8.9 4.2 6 3 3.8 6 5.9 3.4 4.4 1.9 5.3 6.1 | 3.8 * 44" * Stellar 7" 4" * 3' * 19" | * Cap Cap Sgr Cyg Cap Cyg Cyg Cyg Cap Cyg Cap Cyg Cap Cyg Cap Cyg Cap | Cyg star variable star star variable star variable star quadruple star double star variable star double star star star double star magnitude contrast double star |
| ST730 ST731 ST732 ST733 ST734 ST735 ST736 ST737 ST738 ST739 ST740 ST741 ST742 ST743 | Omicron1 RT Alpha RT P Alpha 2671 U Beta 39 Peacock pi Omicron 49 | RT CAP Alpha CAP RT SGR U CYG Beta CAP 39 CYG Alpha PAV SHJ 324 2716 | 20 17.1 20 17.6 20 17.7 20 17.8 20 18.0 20 18.4 20 19.6 20 21.0 20 23.9 20 25.6 20 27.3 20 29.9 20 41.0 | 20 13.6 -21.3 -12.5 -39.1 +38 02 -12 32 +55 23 +47.9 -14.8 +32.2 -56.7 -18 13 -18 35 +32 18 | +46.7 8.9 4.2 6 3 3.8 6 5.9 3.4 4.4 1.9 5.3 6.1 5.5 | 3.8 * 44" * Stellar 7" 4" * * 3' * 19" 3" | * Cap Cap Sgr Cyg Cap Cyg Cyg Cap Cyg Cap Cyg Cap Cyg Cap Cyg Cap Cyg Pav Cap Cap Cap Cap Cap Cyg | Cyg star variable star star variable star variable star quadruple star double star variable star double star double star star star double star magnitude contrast double star double star |
| ST730 ST731 ST732 ST733 ST734 ST735 ST736 ST737 ST739 ST740 ST741 ST742 ST743 ST744 | Omicron1 RT Alpha RT P Alpha 2671 U Beta 39 Peacock pi Omicron 49 V | RT CAP Alpha CAP RT SGR U CYG Beta CAP 39 CYG Alpha PAV SHJ 324 2716 V CYG | 20 17.1 20 17.6 20 17.7 20 17.8 20 18.0 20 18.4 20 19.6 20 21.0 20 23.9 20 25.6 20 27.3 20 29.9 20 41.0 20 41.3 | 20 13.6 -21.3 -12.5 -39.1 +38 02 -12 32 +55 23 +47.9 -14.8 +32.2 -56.7 -18 13 -18 35 +32 18 +48.2 | +46.7 8.9 4.2 6 3 3.8 6 5.9 3.4 4.4 1.9 5.3 6.1 5.5 7.7 | 3.8 * 44" * Stellar 7" 4" * 3' * * 3" 19" 3" * | * Cap Cap Sgr Cyg Cap Cyg Cyg Cap Cyg Cap Cyg Cap Cyg Cap Cyg Cyg Cyg Cyg Cyg Cyg Cap Cyg Cyg Cyg Cyg Cyg Cyg | Cyg star variable star star variable star variable star variable star quadruple star double star variable star double star double star star double star magnitude contrast double star double star |
| ST730 ST731 ST732 ST733 ST734 ST735 ST736 ST737 ST738 ST739 ST740 ST741 ST742 ST743 ST744 ST744 | Omicron1 RT Alpha RT P Alpha 2671 U Beta 39 Peacock pi Omicron 49 V Deneb | RT CAP Alpha CAP RT SGR U CYG Beta CAP 39 CYG Alpha PAV SHJ 324 2716 V CYG Alpha Cyg | 20 17.1 20 17.6 20 17.7 20 17.8 20 18.0 20 18.4 20 19.6 20 21.0 20 23.9 20 25.6 20 27.3 20 29.9 20 41.0 20 41.3 20 41.4 | 20 13.6 -21.3 -12.5 -39.1 +38 02 -12 32 +55 23 +47.9 -14.8 +32.2 -56.7 -18 13 -18 35 +32 18 +48.2 +45 17 | +46.7 8.9 4.2 6 3 3.8 6 5.9 3.4 4.4 1.9 5.3 6.1 5.5 7.7 | 3.8 * 44" * Stellar 7" 4" * 3' * * 3" 19" 3" * * | * Cap Cap Sgr Cyg Cap Cyg Cyg Cap Cyg Cap Cyg Cap Cyg | Cyg star variable star star variable star variable star variable star quadruple star double star variable star double star double star star star double star magnitude contrast double star double star double star |
| ST730 ST731 ST732 ST733 ST734 ST735 ST736 ST737 ST738 ST739 ST740 ST741 ST742 ST743 ST744 ST745 ST746 | Omicron1 RT Alpha RT P Alpha 2671 U Beta 39 Peacock pi Omicron 49 V Deneb 52 | RT CAP Alpha CAP RT SGR U CYG Beta CAP 39 CYG Alpha PAV SHJ 324 2716 V CYG | 20 17.1 20 17.6 20 17.7 20 17.8 20 18.0 20 18.4 20 19.6 20 21.0 20 23.9 20 25.6 20 27.3 20 29.9 20 41.0 20 41.3 20 41.4 20 45.7 | 20 13.6 -21.3 -12.5 -39.1 +38 02 -12 32 +55 23 +47.9 -14.8 +32.2 -56.7 -18 13 -18 35 +32 18 +48.2 +45 17 +30.7 | +46.7 8.9 4.2 6 3 3.8 6 5.9 3.4 4.4 1.9 5.3 6.1 5.5 7.7 1.3 4.2 | 3.8 * 44" * Stellar 7" 4" * 3' * * 19" 3" * * 6" | * Cap Cap Sgr Cyg Cap Cyg Cyg Cap Cyg Cap Cyg Cyg Cap Cyg Cyg Cyg Cap Cyg | Cyg star variable star star variable star variable star variable star quadruple star double star variable star double star double star star star double star magnitude contrast double star double star double star double star double star |
| ST730 ST731 ST732 ST733 ST734 ST735 ST736 ST737 ST738 ST740 ST741 ST742 ST743 ST744 ST745 ST746 ST747 | Omicron1 RT Alpha RT P Alpha 2671 U Beta 39 Peacock pi Omicron 49 V Deneb 52 Gamma | RT CAP Alpha CAP RT SGR U CYG Beta CAP 39 CYG Alpha PAV SHJ 324 2716 V CYG Alpha Cyg 52 CYG | 20 17.1 20 17.6 20 17.7 20 17.8 20 18.0 20 18.4 20 19.6 20 21.0 20 23.9 20 25.6 20 27.3 20 29.9 20 41.0 20 41.3 20 41.4 20 45.7 20 46.7 | 20 13.6 -21.3 -12.5 -39.1 +38 02 -12 32 +55 23 +47.9 -14.8 +32.2 -56.7 -18 13 -18 35 +32 18 +48.2 +45 17 +30.7 +16 07 | +46.7 8.9 4.2 6 3 3.8 6 5.9 3.4 4.4 1.9 5.3 6.1 5.5 7.7 1.3 4.2 4.3 | 3.8 * 44" * Stellar 7" 4" * 3' * * 3" 19" 3" * * 6" 10" | * Cap Cap Sgr Cyg Cap Cyg | Cyg star variable star star variable star variable star variable star quadruple star double star variable star double star double star star star double star magnitude contrast double star |
| ST730 ST731 ST732 ST733 ST734 ST735 ST736 ST737 ST738 ST740 ST741 ST742 ST743 ST744 ST745 ST746 ST747 | Omicron1 RT Alpha RT P Alpha 2671 U Beta 39 Peacock pi Omicron 49 V Deneb 52 Gamma Lambda | RT CAP Alpha CAP RT SGR U CYG Beta CAP 39 CYG Alpha PAV SHJ 324 2716 V CYG Alpha Cyg 52 CYG Lambda CYG | 20 17.1 20 17.6 20 17.7 20 17.8 20 18.0 20 18.4 20 19.6 20 21.0 20 23.9 20 25.6 20 27.3 20 29.9 20 41.0 20 41.3 20 41.4 20 45.7 20 46.7 20 47.4 | 20 13.6 -21.3 -12.5 -39.1 +38 02 -12 32 +55 23 +47.9 -14.8 +32.2 -56.7 -18 13 -18 35 +32 18 +48.2 +45 17 +30.7 +16 07 +36.5 | +46.7 8.9 4.2 6 3 3.8 6 5.9 3.4 4.4 1.9 5.3 6.1 5.5 7.7 1.3 4.2 4.3 4.9 | 3.8 * 44" * Stellar 7" 4" * 3' * * 3" 19" 3" * * 6" 10" 0.9" | * Cap Cap Sgr Cyg Cap Cyg | Cyg star variable star star variable star variable star variable star quadruple star double star variable star double star double star star star double star magnitude contrast double star star double star star double star |
| ST730 ST731 ST732 ST733 ST734 ST735 ST736 ST737 ST738 ST740 ST741 ST742 ST743 ST744 ST745 ST744 ST745 ST746 ST747 | Omicron1 RT Alpha RT P Alpha 2671 U Beta 39 Peacock pi Omicron 49 V Deneb 52 Gamma Lambda 3 | RT CAP Alpha CAP RT SGR U CYG Beta CAP 39 CYG Alpha PAV SHJ 324 2716 V CYG Alpha Cyg 52 CYG | 20 17.1 20 17.6 20 17.7 20 17.8 20 18.0 20 18.4 20 19.6 20 21.0 20 23.9 20 25.6 20 27.3 20 29.9 20 41.0 20 41.3 20 41.4 20 45.7 20 46.7 | 20 13.6 -21.3 -12.5 -39.1 +38 02 -12 32 +55 23 +47.9 -14.8 +32.2 -56.7 -18 13 -18 35 +32 18 +48.2 +45 17 +30.7 +16 07 +36.5 -5 | +46.7 8.9 4.2 6 3 3.8 6 5.9 3.4 4.4 1.9 5.3 6.1 5.5,7 7.7 1.3 4.2 4.3 4.9 4.4 | 3.8 * 44" * Stellar 7" 4" * 3' * * 3" 19" 3" * * 6" 10" 0.9" * | * Cap Cap Sgr Cyg Cap Cyg | Cyg star variable star star variable star variable star variable star quadruple star double star variable star double star double star star star double star magnitude contrast double star |
| ST730 ST731 ST732 ST733 ST734 ST735 ST736 ST737 ST740 ST741 ST742 ST743 ST744 ST745 ST746 ST747 ST748 ST748 ST749 ST750 | Omicron1 RT Alpha RT P Alpha 2671 U Beta 39 Peacock pi Omicron 49 V Deneb 52 Gamma Lambda 3 S763 | RT CAP Alpha CAP RT SGR U CYG Beta CAP 39 CYG Alpha PAV SHJ 324 2716 V CYG Alpha Cyg 52 CYG Lambda CYG 3 AQR | 20 17.1 20 17.6 20 17.7 20 17.8 20 18.0 20 18.4 20 19.6 20 21.0 20 23.9 20 25.6 20 27.3 20 29.9 20 41.0 20 41.3 20 41.4 20 45.7 20 47.4 20 47.7 20 48.4 | 20 13.6 -21.3 -12.5 -39.1 +38 02 -12 32 +55 23 +47.9 -14.8 +32.2 -56.7 -18 13 -18 35 +32 18 +48.2 +45 17 +30.7 +16 07 +36.5 -5 -18 11 | +46.7 8.9 4.2 6 3 3.8 6 5.9 3.4 4.4 1.9 5.3 6.1 5.5 7.7 1.3 4.2 4.3 4.9 | 3.8 * 44" * Stellar 7" 4" * 3' * * 3" 19" 3" * * 6" 10" 0.9" * | * Cap Cap Sgr Cyg Cap Cyg | Cyg star variable star star variable star variable star variable star quadruple star double star variable star double star star star double star magnitude contrast double star magnitude contrast double star double star magnitude contrast double star double star magnitude contrast variable star double star |
| ST730 ST731 ST732 ST733 ST734 ST735 ST736 ST737 ST738 ST740 ST741 ST742 ST743 ST744 ST745 ST744 ST745 ST746 ST747 | Omicron1 RT Alpha RT P Alpha 2671 U Beta 39 Peacock pi Omicron 49 V Deneb 52 Gamma Lambda 3 S763 | RT CAP Alpha CAP RT SGR U CYG Beta CAP 39 CYG Alpha PAV SHJ 324 2716 V CYG Alpha Cyg 52 CYG Lambda CYG | 20 17.1 20 17.6 20 17.7 20 17.8 20 18.0 20 18.4 20 19.6 20 21.0 20 23.9 20 25.6 20 27.3 20 29.9 20 41.0 20 41.3 20 41.4 20 45.7 20 46.7 20 47.4 | 20 13.6 -21.3 -12.5 -39.1 +38 02 -12 32 +55 23 +47.9 -14.8 +32.2 -56.7 -18 13 -18 35 +32 18 +48.2 +45 17 +30.7 +16 07 +36.5 -5 | +46.7 8.9 4.2 6 3 3.8 6 5.9 3.4 4.4 1.9 5.3 6.1 5.5,7 7.7 1.3 4.2 4.3 4.9 4.4 | 3.8 * 44" * Stellar 7" 4" * 3' * * 3" 19" 3" * * 6" 10" 0.9" * | * Cap Cap Sgr Cyg Cap Cyg | Cyg star variable star star variable star variable star variable star quadruple star double star variable star double star star star star double star magnitude contrast double star |
| ST730 ST731 ST732 ST733 ST734 ST735 ST736 ST737 ST740 ST741 ST742 ST743 ST744 ST745 ST746 ST747 ST748 ST748 ST749 ST750 ST751 | Omicron1 RT Alpha RT P Alpha 2671 U Beta 39 Peacock pi Omicron 49 V Deneb 52 Gamma Lambda 3 S763 | RT CAP Alpha CAP RT SGR U CYG Beta CAP 39 CYG Alpha PAV SHJ 324 2716 V CYG Alpha Cyg 52 CYG Lambda CYG 3 AQR | 20 17.1 20 17.6 20 17.7 20 17.8 20 18.0 20 18.4 20 19.6 20 21.0 20 23.9 20 25.6 20 27.3 20 29.9 20 41.0 20 41.3 20 41.4 20 45.7 20 47.4 20 47.7 20 48.4 | 20 13.6 -21.3 -12.5 -39.1 +38 02 -12 32 +55 23 +47.9 -14.8 +32.2 -56.7 -18 13 -18 35 +32 18 +48.2 +45 17 +30.7 +16 07 +36.5 -5 -18 11 | +46.7 8.9 4.2 6 3 3.8 6 5.9 3.4 4.4 1.9 5.3 6.1 5.5,7 7.7 1.3 4.2 4.3 4.9 4.4 6.7 | 3.8 * 44" * Stellar 7" 4" * 3' * * 3" 19" 3" * * 6" 10" 0.9" * | * Cap Cap Sgr Cyg Cap Cyg | Cyg star variable star star variable star variable star variable star quadruple star double star variable star double star star star double star magnitude contrast double star magnitude contrast double star double star magnitude contrast double star double star magnitude contrast variable star double star |
| ST730 ST731 ST732 ST733 ST734 ST735 ST736 ST737 ST740 ST741 ST742 ST743 ST744 ST745 ST746 ST747 ST748 ST747 ST748 ST749 ST750 ST751 ST752 | Omicron1 RT Alpha RT P Alpha 2671 U Beta 39 Peacock pi Omicron 49 V Deneb 52 Gamma Lambda 3 S763 4 Omega | RT CAP Alpha CAP RT SGR U CYG Beta CAP 39 CYG Alpha PAV SHJ 324 2716 V CYG Alpha Cyg 52 CYG Lambda CYG 3 AQR | 20 17.1 20 17.6 20 17.7 20 17.8 20 18.0 20 18.4 20 19.6 20 21.0 20 23.9 20 25.6 20 27.3 20 29.9 20 41.0 20 41.4 20 45.7 20 46.7 20 47.4 20 47.7 20 48.4 20 51.4 | 20 13.6 -21.3 -12.5 -39.1 +38 02 -12 32 +55 23 +47.9 -14.8 +32.2 -56.7 -18 13 -18 35 +32 18 +48.2 +45 17 +30.7 +16 07 +36.5 -5 -18 11 -5.6 | +46.7 8.9 4.2 6 3 3.8 6 5.9 3.4 4.4 1.9 5.3 6.1 5.5 7.7 1.3 4.2 4.3 4.9 4.4 6.7 6.4 | 3.8 * 44" * Stellar 7" 4" * 3' * 19" 3" * 10" 0.9" * | * Cap Cap Sgr Cyg Cap Cyg Cap Cyg Cap Cyg Cap Cyg Cap Cyg | Cyg star variable star star variable star variable star variable star quadruple star double star variable star double star star star double star magnitude contrast double star magnitude contrast double star double star magnitude contrast variable star double star |
| ST730 ST731 ST732 ST733 ST734 ST735 ST736 ST737 ST738 ST740 ST741 ST742 ST743 ST744 ST745 ST746 ST747 ST748 ST749 ST749 ST750 ST751 ST752 ST753 | Omicron1 RT Alpha RT P Alpha 2671 U Beta 39 Peacock pi Omicron 49 V Deneb 52 Gamma Lambda 3 S763 4 Omega Epsilon | RT CAP Alpha CAP RT SGR U CYG Beta CAP 39 CYG Alpha PAV SHJ 324 2716 V CYG Alpha Cyg 52 CYG Lambda CYG 3 AQR 4 AQR Omega CAP 1 Equ | 20 17.1 20 17.6 20 17.7 20 17.8 20 18.0 20 18.0 20 18.4 20 19.6 20 21.0 20 23.9 20 25.6 20 27.3 20 29.9 20 41.0 20 41.3 20 41.4 20 45.7 20 47.4 20 47.4 20 47.7 20 48.4 20 51.8 20 59.1 | 20 13.6 -21.3 -12.5 -39.1 +38 02 -12 32 +55 23 +47.9 -14.8 +32.2 -56.7 -18 13 -18 35 +32 18 +48.2 +45 17 +30.7 +16 07 +36.5 -5 -18 11 -5.6 -26.9 +04 18 | +46.7 8.9 4.2 6 3 3.8 6 5.9 3.4 4.4 1.9 5.3 6.1 5.5 7.7 1.3 4.2 4.3 4.9 4.4 6.7 6.4 4.1 5.2 | 3.8 * 44" * Stellar 7" 4" * * 3' * * * 19" 3" * * * 10" 0.9" * 16" 0.8" * | * Cap Cap Sgr Cyg Cap Cyg Cap Cyg Cap Cyg Cap Cyg | Cyg star variable star star variable star variable star variable star quadruple star double star variable star double star star double star magnitude contrast double star double star magnitude contrast variable star double star challenge |
| ST730 ST731 ST732 ST733 ST734 ST735 ST736 ST737 ST738 ST740 ST741 ST742 ST743 ST744 ST745 ST746 ST747 ST748 ST749 ST750 ST751 ST751 ST752 ST753 ST753 | Omicron1 RT Alpha RT P Alpha 2671 U Beta 39 Peacock pi Omicron 49 V Deneb 52 Gamma Lambda 3 S763 4 Omega Epsilon 2751 | RT CAP Alpha CAP RT SGR U CYG Beta CAP 39 CYG Alpha PAV SHJ 324 2716 V CYG Alpha Cyg 52 CYG Lambda CYG 3 AQR 4 AQR Omega CAP 1 Equ Struve 2751 | 20 17.1 20 17.6 20 17.7 20 17.8 20 18.0 20 18.4 20 19.6 20 21.0 20 23.9 20 25.6 20 27.3 20 29.9 20 41.0 20 41.3 20 41.4 20 45.7 20 46.7 20 47.4 20 47.4 20 47.7 20 48.4 20 51.8 20 59.1 21 02.1 | 20 13.6 -21.3 -12.5 -39.1 +38 02 -12 32 +55 23 +47.9 -14.8 +32.2 -56.7 -18 13 -18 35 +32 18 +48.2 +45 17 +30.7 +16 07 +36.5 -5 -18 11 -5.6 -26.9 +04 18 +56.7 | +46.7 8.9 4.2 6 3 3.8 6 5.9 3.4 4.4 1.9 5.3 6.1 5.5 7.7 1.3 4.2 4.3 4.9 4.4 6.7 6.4 4.1 5.2 6.1 | 3.8 * 44" * Stellar 7" 4" 4" * 3' * * 19" 3" * * 10" 0.9" * 16" 0.8" * 11.5" | * Cap Cap Sgr Cyg Cap Cyg Cap Cyg Cap Cyg Cap Cyg Cap Cyg | Cyg star variable star star variable star variable star variable star quadruple star double star variable star double star star double star magnitude contrast double star double star magnitude contrast variable star double star magnitude contrast variable star double star adouble star double star touble star double star challenge star triple star challenge |
| ST730 ST731 ST732 ST733 ST734 ST735 ST736 ST737 ST738 ST749 ST741 ST742 ST743 ST744 ST745 ST748 ST749 ST750 ST751 ST751 ST752 ST753 ST754 ST755 | Omicron1 RT Alpha RT P Alpha 2671 U Beta 39 Peacock pi Omicron 49 V Deneb 52 Gamma Lambda 3 S763 4 Omega Epsilon 2751 2 | RT CAP Alpha CAP RT SGR U CYG Beta CAP 39 CYG Alpha PAV SHJ 324 2716 V CYG Alpha Cyg 52 CYG Lambda CYG 3 AQR 4 AQR Omega CAP 1 Equ Struve 2751 2742 | 20 17.1 20 17.6 20 17.7 20 17.8 20 18.0 20 18.4 20 19.6 20 21.0 20 23.9 20 25.6 20 27.3 20 29.9 20 41.0 20 41.3 20 41.4 20 45.7 20 46.7 20 47.4 20 47.7 20 48.4 20 51.8 20 59.1 21 02.1 21 02.2 | 20 13.6 -21.3 -12.5 -39.1 +38 02 -12 32 +55 23 +47.9 -14.8 +32.2 -56.7 -18 13 -18 35 +32 18 +48.2 +45 17 +30.7 +16 07 +36.5 -5 -18 11 -5.6 -26.9 +04 18 +56.7 +07 11 | +46.7 8.9 4.2 6 3 3.8 6 5.9 3.4 4.4 1.9 5.3 6.1 5.5 7.7 1.3 4.2 4.3 4.9 4.4 6.7 6.4 4.1 5.2 6.1 7.4 | 3.8 * 44" * Stellar 7" 4" 4" * * 3' * * * 19" 3" * * 10" 0.9" * 16" 0.9" * 11.5" 3" | * Cap Cap Sgr Cyg Cap Cyg Cap Cyg Cap Cyg Cap Cyg Cap Cyg Cap Cyg | Cyg star variable star star variable star variable star variable star quadruple star double star variable star double star star double star magnitude contrast double star double star magnitude contrast variable star double star magnitude contrast variable star double star adouble star double star triple star challenge star triple star challenge double star challenge double star challenge |
| ST730 ST731 ST732 ST733 ST734 ST735 ST736 ST737 ST738 ST740 ST741 ST742 ST743 ST744 ST745 ST746 ST747 ST748 ST749 ST750 ST751 ST752 ST753 ST754 ST755 ST756 | Omicron1 RT Alpha RT P Alpha 2671 U Beta 39 Peacock pi Omicron 49 V Deneb 52 Gamma Lambda 3 S763 4 Omega Epsilon 2751 2 Dunlop236 | RT CAP Alpha CAP RT SGR U CYG Beta CAP 39 CYG Alpha PAV SHJ 324 2716 V CYG Alpha Cyg 52 CYG Lambda CYG 3 AQR 4 AQR Omega CAP 1 Equ Struve 2751 2742 Dunlop 236 | 20 17.1 20 17.6 20 17.7 20 17.8 20 18.0 20 18.4 20 19.6 20 21.0 20 23.9 20 25.6 20 27.3 20 29.9 20 41.0 20 41.3 20 41.4 20 45.7 20 46.7 20 47.4 20 47.7 20 48.4 20 51.8 20 59.1 21 02.2 21 02.2 | 20 13.6 -21.3 -12.5 -39.1 +38 02 -12 32 +55 23 +47.9 -14.8 +32.2 -56.7 -18 13 -18 35 +32 18 +48.2 +45 17 +30.7 +16 07 +36.5 -5 -18 11 -5.6 -26.9 +04 18 +56.7 +07 11 -43 | +46.7 8.9 4.2 6 3 3.8 6 5.9 3.4 4.4 1.9 5.3 6.1 5.5 7.7 1.3 4.2 4.3 4.9 4.4 6.7 6.4 4.1 5.2 6.1 7.4 6 | 3.8 * 44" * Stellar 7" 4" * 3' * * 19" 3" * * 6" 10" 0.9" * 16" 0.8" * 1" 1.5" 3" 57" | * Cap Cap Sgr Cyg Cap Cyg Cap Cyg Cap Cyg Cap Cyg Cap Cyg | Cyg star variable star star variable star variable star variable star quadruple star double star variable star double star star star double star magnitude contrast double star touble star double star challenge double star challenge double star challenge double star equal magnitude double star |
| ST730 ST731 ST732 ST733 ST734 ST735 ST736 ST737 ST738 ST740 ST741 ST742 ST743 ST744 ST745 ST746 ST747 ST748 ST749 ST750 ST751 ST752 ST752 ST753 ST754 ST755 ST754 ST755 | Omicron1 RT Alpha RT P Alpha 2671 U Beta 39 Peacock pi Omicron 49 V Deneb 52 Gamma Lambda 3 S763 4 Omega Epsilon 2751 2 Dunlop236 Lambda | RT CAP Alpha CAP RT SGR U CYG Beta CAP 39 CYG Alpha PAV SHJ 324 2716 V CYG Alpha Cyg 52 CYG Lambda CYG 3 AQR 4 AQR Omega CAP 1 Equ Struve 2751 2742 | 20 17.1 20 17.6 20 17.7 20 17.8 20 18.0 20 18.4 20 19.6 20 21.0 20 23.9 20 25.6 20 27.3 20 29.9 20 41.0 20 41.3 20 41.4 20 45.7 20 46.7 20 47.4 20 47.7 20 48.4 20 51.8 20 59.1 21 02.1 21 02.2 21 02.2 21 02.2 | 20 13.6 -21.3 -12.5 -39.1 +38 02 -12 32 +55 23 +47.9 -14.8 +32.2 -56.7 -18 13 -18 35 +32 18 +48.2 +45 17 +30.7 +16 07 +36.5 -5 -18 11 -5.6 -26.9 +04 18 +56.7 +07 11 -43 +07.2 | +46.7 8.9 4.2 6 3 3.8 6 5.9 3.4 4.4 1.9 5.3 6.1 5.5 7.7 1.3 4.9 4.4 6.7 6.4 4.1 5.2 6.1 7.4 6 7.4 | 3.8 * 44" * Stellar 7" 4" * 3' * * 3" 19" 3" * * 6" 10" 0.9" * 16" 0.8" * 1" 1.5" 3" 57" 3" | * Cap Cap Sgr Cyg Cap Cyg Cap Cyg Cap Cyg Cap Cyg Cap Cyg | Cyg star variable star star variable star variable star variable star quadruple star double star variable star double star star star double star magnitude contrast double star double star magnitude contrast variable star double star magnitude contrast variable star double star challenge red variable star double star challenge star triple star challenge double star equal magnitude double star double star |
| ST730 ST731 ST732 ST733 ST734 ST735 ST736 ST737 ST738 ST740 ST741 ST742 ST743 ST744 ST745 ST746 ST747 ST748 ST750 ST751 ST752 ST755 ST755 ST755 ST755 ST755 | Omicron1 RT Alpha RT P Alpha 2671 U Beta 39 Peacock pi Omicron 49 V Deneb 52 Gamma Lambda 3 S763 4 Omega Epsilon 2751 2 Dunlop236 Lambda 12 | RT CAP Alpha CAP RT SGR U CYG Beta CAP 39 CYG Alpha PAV SHJ 324 2716 V CYG Alpha Cyg 52 CYG Lambda CYG 3 AQR 4 AQR Omega CAP 1 Equ Struve 2751 2742 Dunlop 236 Lambda EQU | 20 17.1 20 17.6 20 17.7 20 17.8 20 18.0 20 18.4 20 19.6 20 21.0 20 23.9 20 25.6 20 27.3 20 29.9 20 41.0 20 41.3 20 41.4 20 45.7 20 46.7 20 47.4 20 51.8 20 51.8 20 59.1 21 02.1 21 02.2 21 02.2 21 02.2 21 02.2 21 04.1 | 20 13.6 -21.3 -12.5 -39.1 +38 02 -12 32 +55 23 +47.9 -14.8 +32.2 -56.7 -18 13 -18 35 +32 18 +48.2 +45 17 +30.7 +16 07 +36.5 -5 -18 11 -5.6 -26.9 +04 18 +56.7 +07 11 -43 +07.2 -05 49 | +46.7 8.9 4.2 6 3 3.8 6 5.9 3.4 4.4 1.9 5.3 6.1 5.5 7.7 1.3 4.9 4.4 6.7 6.4 4.1 5.2 6.1 7.4 6 7.4 5.9 | 3.8 * 44" * Stellar 7" 4" * 3' * * 3" 19" 3" * * 6" 10" 0.9" * 16" 0.8" * 1" 1.5" 3" 57" 3" 3" 3" | * Cap Cap Sgr Cyg Cap Cyg Cap Cyg Cap Cyg Cap Cyg Cap Cyg | Cyg star variable star star variable star variable star variable star quadruple star double star variable star double star star star double star magnitude contrast double star double star magnitude contrast variable star double star magnitude contrast variable star double star challenge red variable star double star challenge red variable star double star challenge double star challenge double star challenge double star double star double star double star double star |
| ST730 ST731 ST732 ST733 ST734 ST735 ST736 ST737 ST738 ST749 ST741 ST742 ST743 ST744 ST745 ST746 ST747 ST748 ST749 ST750 ST751 ST752 ST753 ST755 ST755 ST755 ST756 ST757 | Omicron1 RT Alpha RT P Alpha 2671 U Beta 39 Peacock pi Omicron 49 V Deneb 52 Gamma Lambda 3 S763 4 Omega Epsilon 2751 2 Dunlop236 Lambda 12 Xi | RT CAP Alpha CAP RT SGR U CYG Beta CAP 39 CYG Alpha PAV SHJ 324 2716 V CYG Alpha Cyg 52 CYG Lambda CYG 3 AQR 4 AQR Omega CAP 1 Equ Struve 2751 2742 Dunlop 236 Lambda EQU Xi CYG | 20 17.1 20 17.6 20 17.7 20 17.8 20 18.0 20 18.4 20 19.6 20 21.0 20 23.9 20 25.6 20 27.3 20 29.9 20 41.0 20 41.3 20 41.4 20 45.7 20 46.7 20 47.4 20 51.4 20 51.8 20 59.1 21 02.2 21 02.2 21 02.2 21 04.9 | 20 13.6 -21.3 -12.5 -39.1 +38 02 -12 32 +55 23 +47.9 -14.8 +32.2 -56.7 -18 13 -18 35 +32 18 +48.2 +45 17 +30.7 +16 07 +36.5 -5 -18 11 -5.6 -26.9 +04 18 +56.7 +07 11 -43 +07.2 -05 49 +43.9 | +46.7 8.9 4.2 6 3 3.8 6 5.9 3.4 4.4 1.9 5.3 6.1 5.5 7.7 1.3 4.2 4.3 4.9 4.4 6.7 6.4 4.1 5.2 6.1 7.4 6 7.4 5.9 3.7 | 3.8 * 44" * Stellar 7" 4" * 3' * * 19" 3" * * 10" 0.9" * 16" 0.8" * 1" 1.5" 3" 57" 3" 3" * | * Cap Cap Sgr Cyg Cap Cyg Cyg Cyg Cyg Cyg Del Cyg Aqr Cap Equ Cap Equ Aqr Cap Equ Aqr Cyg | Cyg star variable star star variable star variable star variable star quadruple star double star variable star double star star star star double star magnitude contrast double star touble star double star challenge star triple star challenge double star equal magnitude double star double star double star double star double star double star |
| ST730 ST731 ST732 ST733 ST734 ST735 ST736 ST737 ST740 ST741 ST742 ST743 ST744 ST745 ST746 ST747 ST748 ST749 ST750 ST751 ST752 ST753 ST755 ST755 ST756 ST757 ST758 ST759 ST759 | Omicron1 RT Alpha RT P Alpha 2671 U Beta 39 Peacock pi Omicron 49 V Deneb 52 Gamma Lambda 3 S763 4 Omega Epsilon 2751 2 Dunlop236 Lambda 12 Xi 61 | RT CAP Alpha CAP RT SGR U CYG Beta CAP 39 CYG Alpha PAV SHJ 324 2716 V CYG Alpha Cyg 52 CYG Lambda CYG 3 AQR 4 AQR Omega CAP 1 Equ Struve 2751 2742 Dunlop 236 Lambda EQU Xi CYG 2758 | 20 17.1 20 17.6 20 17.7 20 17.8 20 18.0 20 18.4 20 19.6 20 21.0 20 23.9 20 25.6 20 27.3 20 29.9 20 41.0 20 41.3 20 41.4 20 45.7 20 46.7 20 47.4 20 51.4 20 51.4 20 59.1 21 02.2 21 02.2 21 02.2 21 04.1 21 04.9 21 06.9 | 20 13.6 -21.3 -12.5 -39.1 +38 02 -12 32 +55 23 +47.9 -14.8 +32.2 -56.7 -18 13 -18 35 +32 18 +48.2 +45 17 +30.7 +16 07 +36.5 -5 -18 11 -5.6 -26.9 +04 18 +56.7 +07 11 -43 +07.2 -05 49 +43.9 +38 39 | +46.7 8.9 4.2 6 3 3.8 6 5.9 3.4 4.4 1.9 5.3 6.1 5.5 7.7 1.3 4.2 4.3 4.9 4.4 6.7 6.4 4.1 5.2 6.1 7.4 6 7.4 5.9 3.7 5.2 | 3.8 * 44" * Stellar 7" 4" * 3' * * 19" 3" * * 10" 0.9" * 16" 0.8" * 1" 1.5" 3" 3" 3" 4" 29" | * Cap Cap Sgr Cyg Cap Cyg Cap Cyg Cap Cyg Cap Cyg Cap Cyg Cap Cyg Cyg Cap Cyg Cyg Cyg Cyg Cyg Del Cyg Aqr Cap Equ Cap Equ Cap Equ Aqr Cap Equ Cyg | Cyg star variable star star variable star variable star variable star quadruple star double star variable star double star star star star double star magnitude contrast double star touble star touble star double star triple star challenge star triple star challenge double star equal magnitude double star |
| ST730 ST731 ST732 ST733 ST734 ST735 ST736 ST737 ST738 ST740 ST741 ST742 ST743 ST744 ST745 ST746 ST747 ST748 ST749 ST750 ST751 ST752 ST753 ST754 ST755 ST756 ST757 ST758 ST759 ST750 ST751 | Omicron1 RT Alpha RT P Alpha 2671 U Beta 39 Peacock pi Omicron 49 V Deneb 52 Gamma Lambda 3 S763 4 Omega Epsilon 2751 2 Dunlop236 Lambda 12 Xi 61 24 | RT CAP Alpha CAP RT SGR U CYG Beta CAP 39 CYG Alpha PAV SHJ 324 2716 V CYG Alpha Cyg 52 CYG Lambda CYG 3 AQR 4 AQR Omega CAP 1 Equ Struve 2751 2742 Dunlop 236 Lambda EQU Xi CYG 2758 24 CAP | 20 17.1 20 17.6 20 17.7 20 17.8 20 18.0 20 18.4 20 19.6 20 21.0 20 23.9 20 25.6 20 27.3 20 29.9 20 41.0 20 41.3 20 41.4 20 45.7 20 46.7 20 47.4 20 51.4 20 51.4 20 59.1 21 02.2 21 02.2 21 02.2 21 04.1 21 04.9 21 06.9 21 07.1 | 20 13.6 -21.3 -12.5 -39.1 +38 02 -12 32 +55 23 +47.9 -14.8 +32.2 -56.7 -18 13 -18 35 +32 18 +48.2 +45 17 +30.7 +16 07 +36.5 -5 -18 11 -5.6 -26.9 +04 18 +56.7 +07.1 -43 +07.2 -05 49 +43.9 +38 39 -25 | +46.7 8.9 4.2 6 3 3.8 6 5.9 3.4 4.4 1.9 5.3 6.1 5.5 7.7 1.3 4.2 4.3 4.9 4.4 6.7 6.4 4.1 5.2 6.1 7.4 6.7 6.1 7.4 5.9 3.7 5.2 4.5 | 3.8 * 44" * Stellar 7" 4" 4" * 3' * * 19" 3" * * 10" 0.9" * 11.5" 3" 57" 3" 3" * 29" * | * Cap Cap Sgr Cyg Cap Cyg Cap Cyg Cap Cyg Cap Cyg Cap Cyg Cap Cyg Cyg Cyg Cyg Cyg Cyg Cyg Cyg Cyg Aqr Cap Aqr Cap Equ Cep Equ Mic Equ Aqr Cyg Cyg Cyg Cyg Cyg Cap | Cyg star variable star star variable star variable star variable star quadruple star double star variable star double star star star star double star magnitude contrast double star triple star double star triple star challenge double star challenge double star equal magnitude double star double star double star double star stellar planetary nebula |
| ST730 ST731 ST732 ST733 ST734 ST735 ST736 ST737 ST738 ST740 ST741 ST742 ST743 ST744 ST745 ST746 ST747 ST750 ST751 ST752 ST753 ST754 ST755 ST756 ST757 ST758 ST757 ST758 ST759 ST750 ST751 ST758 ST759 ST750 ST751 ST756 ST757 | Omicron1 RT Alpha RT P Alpha 2671 U Beta 39 Peacock pi Omicron 49 V Deneb 52 Gamma Lambda 3 S763 4 Omega Epsilon 2751 2 Dunlop236 Lambda 12 Xi 61 24 T | RT CAP Alpha CAP RT SGR U CYG Beta CAP 39 CYG Alpha PAV SHJ 324 2716 V CYG Alpha Cyg 52 CYG Lambda CYG 3 AQR 4 AQR Omega CAP 1 Equ Struve 2751 2742 Dunlop 236 Lambda EQU Xi CYG 2758 24 CAP T CEP | 20 17.1 20 17.6 20 17.7 20 17.8 20 18.0 20 18.4 20 19.6 20 21.0 20 23.9 20 25.6 20 27.3 20 29.9 20 41.0 20 41.3 20 41.4 20 45.7 20 46.7 20 47.4 20 51.4 20 51.4 20 51.8 20 59.1 21 02.2 21 02.2 21 02.2 21 04.1 21 04.9 21 06.9 21 07.1 21 09.5 | 20 13.6 -21.3 -12.5 -39.1 +38 02 -12 32 +55 23 +47.9 -14.8 +32.2 -56.7 -18 13 -18 35 +32 18 +48.2 +45 17 +30.7 +16 07 +36.5 -5 -18 11 -5.6 -26.9 +04 18 +56.7 +07 11 -43 +07.2 -05 49 +43.9 +38 39 -25 +68.5 | +46.7 8.9 4.2 6 3 3.8 6 5.9 3.4 4.4 1.9 5.3 6.1 5.5 7.7 1.3 4.2 4.3 4.4 6.7 6.4 4.1 5.2 6.1 7.4 6.7 6.1 7.4 5.9 3.7 5.2 4.5 5.2 | 3.8 * 44" * Stellar 7" 4" 4" * 3' * * 6" 10" 0.9" * 16" 0.8" * 1" 1.5" 3" 3" 3" * 29" * * | * Cap Cap Sgr Cyg Cap Cyg Cap Cyg Cap Cyg | Cyg star variable star star variable star variable star variable star quadruple star double star variable star double star star star star double star magnitude contrast double star triple star double star triple star challenge double star challenge double star double star challenge double star double star double star double star double star stellar planetary nebula variable star |
| ST730 ST731 ST732 ST733 ST734 ST735 ST736 ST737 ST738 ST740 ST741 ST742 ST743 ST744 ST745 ST746 ST747 ST750 ST751 ST752 ST753 ST754 ST755 ST756 ST757 ST758 ST757 ST758 ST759 ST750 ST751 ST758 ST759 ST750 ST751 ST756 ST757 | Omicron1 RT Alpha RT P Alpha 2671 U Beta 39 Peacock pi Omicron 49 V Deneb 52 Gamma Lambda 3 S763 4 Omega Epsilon 2751 2 Dunlop236 Lambda 12 Xi 61 24 | RT CAP Alpha CAP RT SGR U CYG Beta CAP 39 CYG Alpha PAV SHJ 324 2716 V CYG Alpha Cyg 52 CYG Lambda CYG 3 AQR 4 AQR Omega CAP 1 Equ Struve 2751 2742 Dunlop 236 Lambda EQU Xi CYG 2758 24 CAP | 20 17.1 20 17.6 20 17.7 20 17.8 20 18.0 20 18.4 20 19.6 20 21.0 20 23.9 20 25.6 20 27.3 20 29.9 20 41.0 20 41.3 20 41.4 20 45.7 20 46.7 20 47.4 20 51.4 20 51.4 20 51.8 20 59.1 21 02.2 21 02.2 21 02.2 21 04.1 21 04.9 21 06.9 21 07.1 21 09.5 | 20 13.6 -21.3 -12.5 -39.1 +38 02 -12 32 +55 23 +47.9 -14.8 +32.2 -56.7 -18 13 -18 35 +32 18 +48.2 +45 17 +30.7 +16 07 +36.5 -5 -18 11 -5.6 -26.9 +04 18 +56.7 +07.1 -43 +07.2 -05 49 +43.9 +38 39 -25 | +46.7 8.9 4.2 6 3 3.8 6 5.9 3.4 4.4 1.9 5.3 6.1 5.5 7.7 1.3 4.2 4.3 4.9 4.4 6.7 6.4 4.1 5.2 6.1 7.4 6.7 6.1 7.4 5.9 3.7 5.2 4.5 | 3.8 * 44" * Stellar 7" 4" 4" * 3' * * 19" 3" * * 10" 0.9" * 11.5" 3" 57" 3" 3" * 29" * | * Cap Cap Sgr Cyg Cap Cyg Cap Cyg Cap Cyg Cap Cyg Cap Cyg Cap Cyg Cyg Cyg Cyg Cyg Cyg Cyg Cyg Cyg Aqr Cap Aqr Cap Equ Cep Equ Mic Equ Aqr Cyg Cyg Cyg Cyg Cyg Cap | Cyg star variable star star variable star variable star variable star quadruple star double star variable star double star star star star double star magnitude contrast double star triple star double star triple star challenge double star challenge double star equal magnitude double star double star double star double star stellar planetary nebula |

| OT704 | 0700 | | 0 | 04.44.0 | . 00 0 | - 0 | 4.0" | 0 | decible atom shallower |
|-------|-----------|--------------|-----------------|---------|--------|-----|-------------|------------|--------------------------------|
| ST764 | 2780 | | Struve 2780 | 21 11.8 | +60.0 | 5.6 | 1.0" | Сер | double star challenge |
| ST765 | | | | 21 14.5 | +10 00 | 4.6 | 48" | Equ | double star magnitude contrast |
| ST766 | Theta | | Theta IND | 21 19.9 | -53.5 | 4.5 | 6" | Ind | double star |
| ST767 | RY | | RY AQR | 21 20.3 | -10.8 | 8 | * | Agr | variable star |
| ST768 | Υ | | Y PAV | 21 24.3 | -69.7 | 8.6 | * | Pav | variable star |
| ST769 | | | | 21 28.7 | +70 33 | 3.3 | 13" | Сер | double star magnitude contrast |
| | | | | - | | | | | ŭ |
| ST770 | | | | 21 35.2 | +78 37 | 7.4 | Stellar | Сер | red variable star |
| ST771 | 2816 | | | 21 39.0 | +57 29 | 5.6 | 12" | Сер | triple star |
| ST772 | V460 | | V460 CYG | 21 42.0 | +35.5 | 5.6 | * | Cyg | variable star |
| ST773 | SS | | | 21 42.7 | +43 35 | 8.2 | Stellar | Cyg | variable star |
| ST774 | RV | | RV CYG | 21 43.3 | +38.0 | 7.1 | * | Cyg | variable star |
| ST775 | Мп | Herschel's C | Sarnet Star | 21 43.5 | +58 47 | 3.4 | Stellar | Cep | red variable star |
| | Epsilon | 11010011010 | Jannot Otal | 21 44.2 | +09 52 | 2.5 | 83" | Peg | double star magnitude contrast |
| | | | Lambda OCT | | | | 3" | | S . |
| | Lambda | | Lambda OCT | | -82.7 | 5.4 | 3 * | Oct | double star |
| ST778 | - | | AG PEG | 21 51.0 | +12.6 | 6 | | Peg | variable star |
| ST779 | 2840 | | | 21 52.0 | +55 47 | 5.5 | 18" | Сер | double star |
| ST780 | 2841 | | Struve 2841 | 21 54.3 | +19.7 | 6.4 | 22" | Peg | double star |
| ST781 | RX | | RX PEG | 21 56.4 | +22.9 | 8 | * | Peg | variable star |
| ST782 | 2873 | | _ | 21 58.4 | +82 51 | 7.1 | 14" | Сер | double star equal magnitude |
| ST783 | | | ß 276 | 22 00.8 | -28 27 | 5.8 | 1.9" | Psa | double star |
| | | | | | | | | | |
| ST784 | | | S 802 | 22 02.5 | -16 58 | 7.2 | 4" | Aqr | double star equal magnitude |
| ST785 | | | | | | | | | |
| | , 2863 | | 22 03.8 | +64 38 | 4.3 | 8" | Сер | double sta | ar |
| ST786 | O 461 | | O.Struve 461 | 22 03.9 | +59.8 | 6.7 | 11.1" | Сер | double star |
| ST787 | Lambda | | Lambda GRU | 22 06.1 | -39.5 | 4.5 | * | Gru | star |
| | Al Nair | | Alpha Gru | 22 08.2 | -46 58 | 1.7 | Stellar | Gru | star |
| ST789 | 2883 | | Alpha Ola | 22 10.7 | +70 07 | 5.7 | 15" | | |
| | | | 7-1- OED | | | | * | Сер | double star |
| ST790 | | | Zeta CEP | 22 10.9 | +58.2 | 3.4 | | Сер | star |
| ST791 | h1746 | | h1746 | 22 13.9 | +39.7 | 4.5 | 28" | Lac | double star |
| ST792 | 41 | | | 22 14.3 | -21 04 | 5.3 | 5" | Aqr | colored double star |
| ST793 | 1 | | 1 LAC | 22 16.0 | +37.7 | 4.1 | * | Lac | star |
| ST794 | | | Alpha TUC | 22 18.5 | -60.3 | 2.9 | 5' | Tuc | star |
| ST795 | 2894 | | / lipita 100 | 22 18.9 | +37 46 | 6.1 | 16" | Lac | colored double star |
| | | | D: CDII | | | | | | |
| ST796 | | | Pi GRU | 22 23.1 | -45.9 | 5.8 | 2.7" | Gru | double star |
| ST797 | | | S GRU | 22 26.1 | -48.4 | 6 | | Gru | variable star |
| ST798 | 53 | | | 22 26.6 | -16 45 | 6.4 | 3" | Aqr | double star equal magnitude |
| ST799 | Delta | | Delta TUC | 22 27.3 | -65 | 4.5 | 7" | Tuc | double star |
| ST800 | Kruger60 | | Kruger 60 | 22 28.1 | +57.7 | 9.8 | 3" | Сер | double star |
| ST801 | • | | J | 22 28.8 | -00 01 | 4.3 | 2" | Aqr | double star challenge |
| ST802 | | | | 22 29.2 | +58 25 | 3.8 | 20" | Сер | colored double star |
| | | | FIAC | | | | 5' | | |
| ST803 | | | 5 LAC | 22 29.5 | +47.7 | 4.4 | | Lac | star |
| ST804 | Delta2 | | Delta2 GRU | 22 29.8 | -43.7 | 4.1 | 15' | Gru | red variable star |
| ST805 | | | 37 PEG | 22 30.0 | +04.4 | 5.8 | 1" | Peg | double star challenge |
| ST806 | Roe47 | | | 22 32.5 | +39 46 | 5.8 | 43" | Lac | quadruple star |
| ST807 | 8 | | | 22 35.9 | +39 38 | 6.5 | 22" | Lac | triple star |
| ST808 | | | 11 LAC | 22 40.5 | +44.3 | 4.5 | * | Lac | star |
| ST809 | | | Beta GRU | 22 42.7 | -46.9 | 2.1 | * | Gru | star |
| | | | | | | | 00" | | |
| ST810 | | | Tau1 AQR | 22 47.7 | -14.1 | 5.7 | 23" | Aqr | double star |
| ST811 | 2947 | | Struve 2947 | 22 49.0 | +68.6 | 7 | 4.3" | Сер | double star |
| ST812 | Tau2 | | Tau2 AQR | 22 49.6 | -13.6 | 4 | 40' | Aqr | star |
| ST813 | 2950 | | Struve 2950 | 22 51.4 | +61.7 | 6.1 | 1.7" | Сер | double star |
| ST814 | h1823 | | | 22 51.8 | +41 19 | 7.1 | 82" | Lac | quadruple star |
| | Lambda | | Lambda AQR | | -7.6 | 3.7 | * | Aqr | star |
| | Fomalhaut | | Alpha PsA | 22 57.6 | -29 37 | 1.2 | * | PsA | star |
| | | | • | | | | 0.7" | | |
| ST817 | | | 52 PEG | 22 59.2 | +11.7 | 6.1 | 0. <i>1</i> | Peg | double star challenge |
| | Scheat | | Beta PEG | 23 03.8 | +28.1 | 2.4 | | Peg | star |
| | Dunlop246 | | Dunlop 246 | 23 07.2 | -50.7 | 6.1 | 9" | Gru | double star |
| ST820 | 2978 | | | 23 07.5 | +32 49 | 6.3 | 8" | Peg | double star |
| ST821 | Pi | | Pi CEP | 23 07.9 | +75.4 | 4.6 | 1.2" | Сер | double star challenge |
| ST822 | Phi | | Phi AQR | 23 14.3 | -6 | 4.2 | * | Aqr | red variable star |
| ST823 | | | Psi3 AQR | 23 19.0 | -9.6 | 5 | 1.5" | Aqr | double star |
| | | | 1 313 AQIX | | | | | | |
| ST824 | | | D 1 040 | 23 19.1 | -13 28 | 5.1 | 13" | Aqr | colored double star |
| | Dunlop249 | | Dunlop 249 | 23 23.9 | -53.8 | 6.5 | 27" | Gru | double star |
| ST826 | | | 99 AQR | 23 26.0 | -20.6 | 4.4 | * | Aqr | star |
| ST827 | | | | 23 33.7 | +48 49 | 8 | Stellar | And | variable star |
| ST828 | Gamma | | Gamma CEP | 23 39.3 | +77.6 | 3.2 | * | Сер | star |
| ST829 | | | Theta PHE | 23 39.5 | -46.6 | 6.6 | 4" | Phe | double star |
| ST830 | | | · - · - · · · - | 23 43.8 | -15 17 | 5.8 | Stellar | Aqr | variable star |
| ST831 | | | | | -18 41 | 5.3 | 7" | • | |
| | | | 10 Doc | 23 46.0 | | | | Aqr | double star equal magnitude |
| ST832 | | | 19 Psc | 23 46.4 | +03 29 | 6.9 | Stellar | Psc | red variable star |
| ST833 | 3042 | | | 23 51.8 | +37 53 | 7.8 | 5" | And | double star equal magnitude |
| | Lal192 | | | 23 54.4 | -27 03 | 6.9 | 7" | Scl | double star |
| ST835 | R | | | 23 58.4 | +51 24 | 4.7 | Stellar | Cas | variable star |
| ST836 | | | | 23 59.0 | +55 45 | 4.9 | 3" | Cas | colored double star |
| ST837 | 3050 | | | 23 59.5 | +33 43 | 6.6 | 1.5" | And | double star challenge |
| | | | | 55.5 | | | | | |

WARRANTY / REPAIR

TELESCOPE LIFETIME LIMITED WARRANTY

Your Bushnell® telescope is warranted to be free of defects in materials and workmanship for the lifetime of the original owner. The Lifetime Limited Warranty is an expression of our confidence in the materials and mechanical workmanship of our products and is your assurance of a lifetime of dependable service.

If your telescope contains electrical components the electronic components are warranted to be free of defects in materials and workmanship for one year after the date of purchase.

In the event of a defect under this warranty, we will, at our option, repair or replace the product, provided that you return the product postage prepaid. This warranty does not cover damages caused by misuse or improper handling, installation or maintenance of the product.

Any return made under this warranty must be accompanied by the items listed below:

- 1) A check in the amount of \$15.00 to cover the cost of handling
- 2) Name and address for product return
- 3) An explanation of the defect
- 4) Product should be well packed in a sturdy outside shipping carton to prevent damage in transit and return postage prepaid to the address listed below:

IN U.S.A. Send To:

Bushnell Performance Optics 8500 Marshall Drive Lenexa, Kansas 66214

IN CANADA Send To:

Bushnell Performance Optics 25A East Pearce Street, Unit 1 Richmond Hill, Ontario L4B 2M9

For products purchased outside the United States and Canada please contact your local dealer for applicable warranty information. This warranty gives you specific legal rights. You may have other rights which vary from country to country.

©2001 Bushnell Performance Optics

NOTES

For further questions or additional information please contact:

Bushnell Performance Optics 8500 Marshall Drive Lenexa, Kansas 66214 (800) 423-3537 • www.bushnell.com